



KINGDOM OF BHUTAN



WORKSHOP ON THE PATENT COOPERATION TREATY (PCT)

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ORIGINAL: ENGLISH
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PCT Training for Office Staff

organized by
the World Intellectual Property Organization (WIPO)

in cooperation with
the Department of Intellectual Property, Ministry of Economic Affairs,
Kingdom of Bhutan

Thimphu, Bhutan, March 21, 2019

prepared by the International Bureau of WIPO

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Part I: Samples of filled-in forms

- PCT Request form (RO/101) (July 2017)
- PCT Demand form (IPEA/401) (July 2016)

PCT

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only

International Application No.

International Filing Date

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference
(if desired) (12 characters maximum) **CHOCO 95549**

Box No. I TITLE OF INVENTION	
PROCESS FOR FOLDING WRAPPING PAPER FOR CHOCOLATES	
Box No. II APPLICANT <input type="checkbox"/> This person is also inventor	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)	
CANDY WRAP UNLIMITED, INC. 300 Colorado Street Baltimore, Maryland 21201-4307 United States of America	
Telephone No. (+1-301) 876-5432	Facsimile No. (+1-301) 876-5555
Applicant's registration No. with the Office	
E-mail authorization: Marking one of the check-boxes below authorizes the receiving Office, the International Searching Authority, the International Bureau and the International Preliminary Examining Authority to use the e-mail address indicated in this Box to send, notifications issued in respect of this international application to that e-mail address if those offices are willing to do so.	
<input type="checkbox"/> as advance copies followed by paper notifications; or <input checked="" type="checkbox"/> exclusively in electronic form (no paper notifications will be sent).	
E-mail address:	
State (that is, country) of nationality: US	State (that is, country) of residence: US
This person is applicant for the purposes of: <input checked="" type="checkbox"/> all designated States <input type="checkbox"/> the States indicated in the Supplemental Box	
Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)	
<input checked="" type="checkbox"/> Further applicants and/or (further) inventors are indicated on a continuation sheet.	
Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE	
The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: <input checked="" type="checkbox"/> agent <input type="checkbox"/> common representative	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)	
DAVIS, Catherine 2500 Virginia Avenue, N.W. Washington, D.C. 20037-1902 United States of America	
Telephone No. (+1-301) 557-3054	Facsimile No. (+1-301) 557-3060
Agent's registration No. with the Office 44,111	
E-mail authorization: Marking one of the check-boxes below authorizes the receiving Office, the International Searching Authority, the International Bureau and the International Preliminary Examining Authority to use the e-mail address indicated in this Box to send, notifications issued in respect of this international application to that e-mail address if those offices are willing to do so.	
<input type="checkbox"/> as advance copies followed by paper notifications; or <input checked="" type="checkbox"/> exclusively in electronic form (no paper notifications will be sent).	
E-mail address: davispatents@anumma.com	
<input type="checkbox"/> Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.	

Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)	
<i>If none of the following sub-boxes is used, this sheet should not be included in the request.</i>	
Name and address: <i>(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</i> JONES, Mary 1600 South Eads Street Arlington, Virginia 22202-2913 United States of America	This person is: <input type="checkbox"/> applicant only <input type="checkbox"/> applicant and inventor <input checked="" type="checkbox"/> inventor only <i>(If this check-box is marked, do not fill in below.)</i>
Applicant's registration No. with the Office	
State <i>(that is, country)</i> of nationality:	State <i>(that is, country)</i> of residence:
This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input type="checkbox"/> the States indicated in the Supplemental Box	
Name and address: <i>(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</i>	This person is: <input type="checkbox"/> applicant only <input type="checkbox"/> applicant and inventor <input type="checkbox"/> inventor only <i>(If this check-box is marked, do not fill in below.)</i>
Applicant's registration No. with the Office	
State <i>(that is, country)</i> of nationality:	State <i>(that is, country)</i> of residence:
This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input type="checkbox"/> the States indicated in the Supplemental Box	
Name and address: <i>(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</i>	This person is: <input type="checkbox"/> applicant only <input type="checkbox"/> applicant and inventor <input type="checkbox"/> inventor only <i>(If this check-box is marked, do not fill in below.)</i>
Applicant's registration No. with the Office	
State <i>(that is, country)</i> of nationality:	State <i>(that is, country)</i> of residence:
This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input type="checkbox"/> the States indicated in the Supplemental Box	
Name and address: <i>(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</i>	This person is: <input type="checkbox"/> applicant only <input type="checkbox"/> applicant and inventor <input type="checkbox"/> inventor only <i>(If this check-box is marked, do not fill in below.)</i>
Applicant's registration No. with the Office	
State <i>(that is, country)</i> of nationality:	State <i>(that is, country)</i> of residence:
This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input type="checkbox"/> the States indicated in the Supplemental Box	
Name and address: <i>(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</i>	This person is: <input type="checkbox"/> applicant only <input type="checkbox"/> applicant and inventor <input type="checkbox"/> inventor only <i>(If this check-box is marked, do not fill in below.)</i>
Applicant's registration No. with the Office	
State <i>(that is, country)</i> of nationality:	State <i>(that is, country)</i> of residence:
This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input type="checkbox"/> the States indicated in the Supplemental Box	
<input type="checkbox"/> Further applicants and/or (further) inventors are indicated on another continuation sheet.	

Supplemental Box

If the Supplemental Box is not used, this sheet should not be included in the request.

1. *If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which a special continuation box is provided, **the space is insufficient** to furnish all the information: in such case, write "Continuation of Box No...." (indicate the number of the Box) and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in particular:

 - (i) **if more than one person is to be indicated as applicant and/or inventor** and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;
 - (ii) *if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "**the States indicated in the Supplemental Box**" is checked:* in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;
 - (iii) *if, in Box No. II or in any of the sub-boxes of Box No. III, **the inventor or the inventor/applicant is not inventor for the purposes of all designated States**:* in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;
 - (iv) *if, in addition to the agent(s) indicated in Box No. IV, there are **further agents**:* in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
 - (v) *if, in Box No. VI, there are **more than three earlier applications whose priority is claimed**:* in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.*
2. *If the applicant intends to make an indication of the wish that the international application be treated, in certain designated States, as an application for a patent of addition, certificate of addition, inventor's certificate of addition or utility certificate of addition: in such case, write the name or two-letter code of each designated State concerned and the indication "**patent of addition**," "**certificate of addition**," "**inventor's certificate of addition**" or "**utility certificate of addition**," the number of the parent application or parent patent or other parent grant and the date of grant of the parent patent or other parent grant or the date of filing of the parent application (Rules 4.11(a)(i) and 49bis.1(a) or (b)).*
3. *If the applicant intends to make an indication of the wish that the international application be treated, in the United States of America, as a continuation or continuation-in-part of an earlier application: in such case, write "United States of America" or "US" and the indication "**continuation**" or "**continuation-in-part**" and the number and the filing date of the parent application (Rules 4.11(a)(ii) and 49bis.1(d)).*

TO BE INCLUDED
ONLY IF NECESSARY

Box No. V DESIGNATIONS				
<p>The filing of this request constitutes under Rule 4.9(a) the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.</p> <p>However,</p> <p><input type="checkbox"/> DE Germany is not designated for any kind of national protection</p> <p><input type="checkbox"/> JP Japan is not designated for any kind of national protection</p> <p><input type="checkbox"/> KR Republic of Korea is not designated for any kind of national protection</p> <p><i>(The check-boxes above may only be used to exclude (irrevocably) the designations concerned if, at the time of filing or subsequently under Rule 26bis.1, the international application contains in Box No. VI a priority claim to an earlier national application filed in the particular State concerned, in order to avoid the ceasing of the effect, under the national law, of this earlier national application.)</i></p>				
Box No. VI PRIORITY CLAIM AND DOCUMENT				
The priority of the following earlier application(s) is hereby claimed:				
Filing date of earlier application <i>(day/month/year)</i>	Number of earlier application	Where earlier application is:		
		national application: country or Member of WTO	regional application: regional Office	international application: receiving Office
item (1) 18 July 2016 (18.07.2016)	14/617,454	US		
item (2) 19 December 2016 (19.12.2016)	16187653.4		EP	
item (3)				
<input type="checkbox"/> Further priority claims are indicated in the Supplemental Box.				
Furnishing the priority document(s):				
<input checked="" type="checkbox"/> The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) <i>(only if the earlier application(s) was filed with the receiving Office which, for the purposes of this international application, is the receiving Office)</i> identified above as: <p style="margin-left: 20px;"> <input type="checkbox"/> all items <input checked="" type="checkbox"/> item (1) <input type="checkbox"/> item (2) <input type="checkbox"/> item (3) <input type="checkbox"/> other, see Supplemental Box </p>				
<input type="checkbox"/> The International Bureau is requested to obtain from a digital library a certified copy of the earlier application(s) identified above, using, where applicable, the access code(s) indicated below <i>(if the earlier application(s) is available to it from a digital library)</i> : <p style="margin-left: 20px;"> <input type="checkbox"/> item (1) <input type="checkbox"/> item (2) <input type="checkbox"/> item (3) <input type="checkbox"/> other, see Supplemental Box access code _____ access code _____ access code _____ </p>				
Restore the right of priority: the receiving Office is requested to restore the right of priority for the earlier application(s) identified above or in the Supplemental Box as item(s) (_____). <i>(See also the Notes to Box No. VI; further information must be provided to support a request to restore the right of priority.)</i>				
Incorporation by reference: where an element of the international application referred to in Article 11(1)(iii)(d) or (e) or a part of the description, claims or drawings referred to in Rule 20.5(a) is not otherwise contained in this international application but is completely contained in an earlier application whose priority is claimed on the date on which one or more elements referred to in Article 11(1)(iii) were first received by the receiving Office, that element or part is, subject to confirmation under Rule 20.6, incorporated by reference in this international application for the purposes of Rule 20.6.				
Box No. VII INTERNATIONAL SEARCHING AUTHORITY				
Choice of International Searching Authority (ISA) <i>(if more than one International Searching Authority is competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):</i>				
ISA/ <u>EP</u>				

Continuation of Box No. VII USE OF EARLIER SEARCH AND CLASSIFICATION RESULTS

1. Request by the applicant under Rule 4.12

1.1 The ISA indicated in Box No. VII is **requested to take into account the results of the earlier search(es)** indicated below (see also Notes to Continuation of Box No. VII, item 1; use of results of more than one earlier search)

Filing date (day/month/year)	Application Number	Country (or regional Office)
19 December 2016 (19.12.2016)	16187653.4	EP

Statement (Rule 4.12(ii)): this international application is the same, or substantially the same, as the application in respect of which the earlier search was carried out except, where applicable, that it is filed in a different language.

1.2 **Submission of the earlier search results, where necessary***

Availability of documents (Rules 12bis.1(c) and (d) and 12bis.2(b)): the following documents are available to the ISA in a form and a manner acceptable to it, and therefore **DO NOT need** to be submitted by the applicant to the receiving Office, or to the ISA.

- a copy of the results of the earlier search,
- a copy of the earlier application,
- a translation of the earlier application into a language which is accepted by the ISA,
- a translation of the results of the earlier search into a language which is accepted by the ISA,
- a copy of any document cited in the earlier search results (if known, please indicate below the documents available to the ISA):

Request from the applicant to the receiving Office to transmit to the ISA a copy of the earlier search results (Rule 12bis.1(b) and (d)): (where the earlier search was not carried out by the ISA indicated in Box No. VII but by the same Office as that which is acting as receiving Office; or where the earlier search results are otherwise available to the receiving Office): the applicant **requests** the receiving Office to **prepare and transmit** to the ISA a copy of the earlier search results.

* The applicant **only** needs to furnish a copy of the earlier search results to the receiving Office, or the ISA, if none of the scenarios mentioned under item 1 applies. (See item 10 in the check-list and also Notes to Continuation of Box No. VII, item 1).

Further earlier searches are indicated on a continuation sheet.

2. Transmission of the earlier search and classification results to the ISA by the receiving Office where the applicant DID NOT make a request under Rule 4.12

2.1 Where the international application claims priority of an earlier application, subject to Article 30(2)(a) and (3), **the receiving Office:**

- **shall transmit** a copy of the earlier search and classification results to the ISA (unless such copy is already available to the ISA), where the earlier application was filed with the **same Office** as that which is acting as **the receiving Office** and that Office **has carried out** the earlier search in respect of the earlier application (Rule 23bis.2(a));
- **may transmit** such a copy if the earlier application was filed with a different Office, but where the results of that earlier search and classification are nevertheless available to the receiving Office (Rule 23bis.2(c)).

However, where the applicant did not request the receiving Office to transmit to the ISA a copy of the earlier search results under Rule 4.12 (see above item 1), in respect of an earlier search carried out on the following earlier application, the priority of which is subsequently claimed in this international application, the applicant may consider (see also Notes to Continuation of Box No. VII, item 2; use of more than one earlier search):

Filing date (day/month/year)	Application Number	Country (or regional Office)
------------------------------	--------------------	------------------------------

2.2 **Request not to transmit the earlier search results by the receiving Office to the ISA (Rule 23bis.2(b))**
 to **request** that the receiving Office **DOES NOT transmit** the results of the earlier search to the ISA (Rule 23bis.2(b)) (may only be checked where the international application is filed with the following receiving Offices: DE, FI and SE)

2.3 **Authorization to transmit the earlier search and classification results by the receiving Office to the ISA (Rule 23bis.2(a) and (e))**
 to **authorize** the receiving Office to **transmit** the results of the earlier search and classification to the ISA (Rule 23bis.2(e)) (may only be checked where the international application is filed with the following receiving Offices: AU, CH, CZ, FI, HU, IL, JP, NO, SE, SG and US)

to **authorize** the receiving Office to **transmit** the results of the earlier international search and classification to the ISA (Rule 23bis.2(a) and Article 30(2)(a) and (3)) (may only be checked where the earlier search concerns an **international application**, the priority of which is subsequently claimed in this international application and where the earlier international search was carried out by a **different ISA** than the ISA chosen in Box No. VII)

Further earlier searches are indicated on a continuation sheet.

Box No. VIII DECLARATIONS

The following **declarations** are contained in Boxes Nos. VIII (i) to (v) (mark the applicable check-boxes below and indicate in the right column the number of each type of declaration):

			Number of declarations
<input type="checkbox"/>	Box No. VIII (i) Declaration as to the identity of the inventor :		
<input checked="" type="checkbox"/>	Box No. VIII (ii) Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent :		1
<input type="checkbox"/>	Box No. VIII (iii) Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application :		
<input checked="" type="checkbox"/>	Box No. VIII (iv) Declaration of inventorship (only for the purposes of the designation of the United States of America) :		1
<input type="checkbox"/>	Box No. VIII (v) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty :		

Box No. VIII (i) DECLARATION: IDENTITY OF THE INVENTOR

The declaration must conform to the standardized wording provided for in Section 211; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (i). If this Box is not used, this sheet should not be included in the request.

Declaration as to the identity of the inventor (Rules 4.17(i) and 51bis.1(a)(i)):

NOT INCLUDED
(not needed since the inventor is named in Box No. III)

This declaration is continued on the following sheet, "Continuation of Box No. VIII (i)".

Box No. VIII (ii) DECLARATION: ENTITLEMENT TO APPLY FOR AND BE GRANTED A PATENT

The declaration must conform to the standardized wording provided for in Section 212; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (ii). If this Box is not used, this sheet should not be included in the request.

Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate:

in relation to this international application,

CANDY WRAP UNLIMITED, INC., is entitled to apply for and be granted a patent by virtue of the following:

an assignment from JONES, Mary, to CANDY WRAP UNLIMITED, INC., dated 11 April 2017 (11.04.2017).

This declaration is continued on the following sheet, "Continuation of Box No. VIII (ii)".

Box No. VIII (iii) DECLARATION: ENTITLEMENT TO CLAIM PRIORITY

The declaration must conform to the standardized wording provided for in Section 213; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (iii). If this Box is not used, this sheet should not be included in the request.

Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application specified below, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules 4.17(iii) and 51bis.1(a)(iii)):

**TO BE INCLUDED
ONLY IF NECESSARY**

This declaration is continued on the following sheet, "Continuation of Box No. VIII (iii)".

Box No. VIII (iv) DECLARATION: INVENTORSHIP (only for the purposes of the designation of the United States of America)

The declaration must conform to the following standardized wording provided for in Section 214; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (iv). If this Box is not used, this sheet should not be included in the request.

**Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv))
for the purposes of the designation of the United States of America:**

I hereby declare that I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

This declaration is directed to the international application of which it forms a part (if filing declaration with application).

This declaration is directed to international application No. PCT/..... (if furnishing declaration pursuant to Rule 26ter).

I hereby declare that the above-identified international application was made or authorized to be made by me.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Name: JONES, Mary

Residence: Arlington, Virginia
(city and either US state, if applicable, or country)

Mailing Address: 1600 South Eads Street
Arlington, Virginia 22202-2913
United States of America

Inventor's Signature: *Mary Jones* Date: 30 June 2017 (30.06.2017)
(The signature must be that of the inventor, not that of the agent)

Name:

Residence:

Mailing Address:

Inventor's Signature: Date:
(The signature must be that of the inventor, not that of the agent)

Name:

Residence:

Mailing Address:

Inventor's Signature: Date:
(The signature must be that of the inventor, not that of the agent)

This declaration is continued on the following sheet, "Continuation of Box No. VIII (iv)".

Box No. VIII (v) DECLARATION: NON-PREJUDICIAL DISCLOSURES OR EXCEPTIONS TO LACK OF NOVELTY

The declaration must conform to the standardized wording provided for in Section 215; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (v). If this Box is not used, this sheet should not be included in the request.

Declaration as to non-prejudicial disclosures or exceptions to lack of novelty (Rules 4.17(v) and 51bis.1(a)(v)):

**TO BE INCLUDED
ONLY IF NECESSARY**

This declaration is continued on the following sheet, "Continuation of Box No. VIII (v)".

Continuation of Box No. VIII (i) to (v) DECLARATION

*If the space is insufficient in any of Boxes Nos. VIII (i) to (v) to furnish all the information, including in the case where **more than three inventors are to be named** in Box No. VIII (iv), in such case, write "Continuation of Box No. VIII ..." (indicate the item number of the Box) and furnish the information in the same manner as required for the purposes of the Box in which the space was insufficient. If additional space is needed in respect of two or more declarations, a separate continuation box must be used for each such declaration. If this Box is not used, this sheet should not be included in the request.*

**TO BE INCLUDED
ONLY IF NECESSARY**

Box No. IX CHECK LIST for PAPER filings – this sheet is only to be used when filing an international application on **PAPER**

This international application contains the following:	Number of sheets	This international application is accompanied by the following item(s) (<i>mark the applicable check-boxes below and indicate in right column the number of each item</i>):	Number of items
(a) request form PCT/RO/101 (including any declarations and supplemental sheets)	7	1. <input checked="" type="checkbox"/> fee calculation sheet	1
(b) description (excluding any sequence listing part of the description, see (f), below)	24	2. <input checked="" type="checkbox"/> original separate power of attorney	1
(c) claims	3	3. <input type="checkbox"/> original general power of attorney	
(d) abstract	1	4. <input type="checkbox"/> copy of general power of attorney; reference number:	
(e) drawings (if any)	4	5. <input checked="" type="checkbox"/> priority document(s) identified in Box No. VI as item(s) . ²	1
(f) sequence listing part of the description (if any)		6. <input type="checkbox"/> Translation of international application into (<i>language</i>):	
Total number of sheets :	39	7. <input type="checkbox"/> separate indications concerning deposited microorganism or other biological material	
		8. <input type="checkbox"/> (<i>only where item (f) is marked in the left column</i>) copy in electronic form (Annex C/ST.25 text file) on physical data carrier(s) of the sequence listing, not forming part of the international application, which is furnished only for the purposes of international search under Rule 13ter (<i>type and number of physical data carriers</i>)	
		9. <input type="checkbox"/> (<i>only where item (f) (in the left column) and item 8 (above) are marked</i>) a statement confirming that “the information recorded in electronic form submitted under Rule 13ter is identical to the sequence listing as contained in the international application” as filed on paper	
		10. <input type="checkbox"/> copy of results of earlier search(es) (Rule 12bis.1(a))	
		11. <input type="checkbox"/> other (<i>specify</i>):	

Figure of the drawings which should accompany the abstract:	3	Language of filing of the international application:	English
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Box No. X SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE
Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).

Catherine Davis

Catherine Davis

For receiving Office use only	
1. Date of actual receipt of the purported international application:	2. Drawings: <input type="checkbox"/> received: <input type="checkbox"/> not received:
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:	
4. Date of timely receipt of the required corrections under PCT Article 11(2):	
5. International Searching Authority (if two or more are competent): ISA /	6. <input type="checkbox"/> Transmittal of search copy delayed until search fee is paid

For International Bureau use only

Date of receipt of the record copy by the International Bureau:

Box No. IX CHECK LIST for EFS-Web filings - this sheet is only to be used when filing an international application with RO/US via **EFS-Web**

This international application contains the following:	Number of sheets	This international application is accompanied by the following item(s) (<i>mark the applicable check-boxes below and indicate in right column the number of each item</i>):	Number of items
(a) request form PCT/RO/101 (including any declarations and supplemental sheets) :		1. <input type="checkbox"/> fee calculation sheet :	
(b) description (excluding any sequence listing part of the description, see (f), below) :		2. <input type="checkbox"/> original separate power of attorney :	
(c) claims :		3. <input type="checkbox"/> original general power of attorney :	
(d) abstract :		4. <input type="checkbox"/> copy of general power of attorney; reference number: :	
(e) drawings (if any) :		5. <input type="checkbox"/> priority document(s) identified in Box No. VI as item(s) :	
(f) sequence listing part of the description in the form of an image file (e.g. PDF) :		6. <input type="checkbox"/> Translation of international application into (<i>language</i>): :	
		7. <input type="checkbox"/> separate indications concerning deposited microorganism or other biological material :	
Total number of sheets (including the sequence listing part of the description if filed as an image file) :	0	8. <input type="checkbox"/> (<i>only where item (f) is marked in the left column</i>) copy of the sequence listing in electronic form (Annex C/ST.25 text file) not forming part of the international application but furnished only for the purposes of international search under Rule 13ter :	
(g) sequence listing part of the description		9. <input type="checkbox"/> (<i>only where item (f) (in the left column) and item 8 (above) are marked</i>) a statement confirming that "the information recorded in electronic form submitted under Rule 13ter is identical to the sequence listing as contained in the international application" as filed via EFS-Web: :	
<input type="checkbox"/> filed in the form of an Annex C/ST.25 text file		10. <input type="checkbox"/> copy of results of earlier search(es) (Rule 12bis.1(a)) :	
<input type="checkbox"/> WILL BE filed separately on physical data carrier(s), on the same day and in the form of an Annex C/ST.25 text file		11. <input type="checkbox"/> other (<i>specify</i>): :	
Indicate type and number of physical data carrier(s) :			

Figure of the drawings which should accompany the abstract:	Language of filing of the international application:
---	--

Box No. X SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE
Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).

For receiving Office use only	
1. Date of actual receipt of the purported international application:	2. Drawings: <input type="checkbox"/> received: <input type="checkbox"/> not received:
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:	
4. Date of timely receipt of the required corrections under PCT Article 11(2):	
5. International Searching Authority (if two or more are competent): ISA /	
6. <input type="checkbox"/> Transmittal of search copy delayed until search fee is paid	

For International Bureau use only

Date of receipt of the record copy by the International Bureau:

This sheet is not part of and does not count as a sheet of the international application.

PCT

FEE CALCULATION SHEET

Annex to the Request

For receiving Office use only

International Application No.

Date stamp of the receiving Office

Applicant's or agent's file reference **CHOCO 95549**

Applicant
CANDY WRAP UNLIMITED, INC., et al.

CALCULATION OF PRESCRIBED FEES

(Applicants may be entitled to a reduction of certain fees as indicated in the PCT Fee Tables (<http://www.wipo.int/pct/en/fees.pdf>))

1. TRANSMITTAL FEE: **USD 240** [T]

2. SEARCH FEE: **USD 1,992** [S]

International search to be carried out by: EP

3. INTERNATIONAL FILING FEE

Enter total number of sheets indicated in Box No IX: 39

[i1] Fixed amount for the first 30 sheets **1,367** [i1]

[i2] 9 x 15 = **135** [i2]
number of sheets in excess of 30 fee per sheet

Add amounts entered at i1 and i2 and enter total at I: **1,502** [I]

(Applicants from certain States are entitled to a reduction of 90% of the international filing fee (see http://www.wipo.int/pct/en/fees/fee_reduction.pdf). Where the applicant is (or all applicants are) so entitled, the total to be entered at I is 10% of the international filing fee.)

4. FEE FOR PRIORITY DOCUMENT (if applicable): [P]

5. FEE FOR RESTORATION OF THE RIGHT OF PRIORITY (if applicable): [RP]

6. FEE FOR EARLIER SEARCH DOCUMENTS (if applicable): [ES]

7. TOTAL FEES PAYABLE **USD 3,734**

Add amounts entered at T, S, I, P, RP and ES, and enter total in the TOTAL box

TOTAL

MODE OF PAYMENT (Not all modes of payment may be available at all receiving Offices)

- credit card (details should not be included on this sheet) authorization to charge deposit or current account (see below) bank transfer cash
- postal money order check revenue stamps other (specify):

AUTHORIZATION TO CHARGE (OR CREDIT) DEPOSIT OR CURRENT ACCOUNT

(This mode of payment may not be available at all receiving Offices)

- Authorization to charge the total fees indicated above.
- (This check-box may be marked only if the conditions for deposit or current accounts of the receiving Office so permit) Authorization to charge any deficiency or credit any overpayment in the total fees indicated above.
- Authorization to charge the fee for priority document.

Receiving Office: RO/ US

Deposit or Current Account No.: 12-3456

Date: 03 July 2017 (03.07.2017)

Name: Catherine Davis

Signature: Catherine Davis

The demand must be filed directly with the competent International Preliminary Examining Authority or, if two or more Authorities are competent, with the one chosen by the applicant. The full name or two-letter code of that Authority may be indicated by the applicant on the line below:

IPEA/ EP

PCT

CHAPTER II

DEMAND

under Article 31 of the Patent Cooperation Treaty:

The undersigned requests that the international application specified below be the subject of international preliminary examination according to the Patent Cooperation Treaty.

For International Preliminary Examining Authority use only

Identification of IPEA		Date of receipt of DEMAND
Box No. I IDENTIFICATION OF THE INTERNATIONAL APPLICATION		Applicant's or agent's file reference CHOCO 95549
International application No. PCT/US2016/654321	International filing date (<i>day/month/year</i>) 20 September 2016 (20.09.2016)	(Earliest) Priority date (<i>day/month/year</i>) 26 October 2015 (26.10.2015)
Title of invention PROCESS FOR FOLDING WRAPPING PAPER FOR CHOCOLATES		
Box No. II APPLICANT(S)		
Name and address: (<i>Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.</i>) CANDY WRAP UNLIMITED, INC. 300 Colorado Street Baltimore, Maryland 21201-4307 United States of America		Telephone No. (+1) 301 876-5432
		Facsimile No. (+1) 301 876-5555
		Applicant's registration No. with the Office
E-mail authorization: Marking one of the check-boxes below authorizes the International Bureau and the International Preliminary Examining Authority to use the e-mail address indicated in this Box to send notifications issued in respect of this international application if those offices are willing to do so. <input type="checkbox"/> as advance copies followed by paper notifications; or <input checked="" type="checkbox"/> exclusively in electronic form (no paper notifications will be sent). E-mail address: _____		
State (<i>that is, country</i>) of nationality: US	State (<i>that is, country</i>) of residence: US	
Name and address: (<i>Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.</i>)		
State (<i>that is, country</i>) of nationality:		State (<i>that is, country</i>) of residence:
<input type="checkbox"/> Further applicants are indicated on a continuation sheet.		

Sheet No. . . .

International application No.

Continuation of Box No. II APPLICANT(S)*If none of the following sub-boxes is used, this sheet should not be included in the demand.*Name and address: *(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)*State *(that is, country)* of nationality:State *(that is, country)* of residence:Name and address: *(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)*State *(that is, country)* of nationality:State *(that is, country)* of residence:Name and address: *(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)*State *(that is, country)* of nationality:State *(that is, country)* of residence:Name and address: *(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)*State *(that is, country)* of nationality:State *(that is, country)* of residence: Further applicants are indicated on another continuation sheet.**TO BE INCLUDED
ONLY IF NECESSARY**

Box No. III AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE

The following person is agent common representative
 and has been appointed earlier and represents the applicant(s) also for international preliminary examination.
 is hereby appointed and any earlier appointment of (an) agent(s)/common representative is hereby revoked.
 is hereby appointed, specifically for the procedure before the International Preliminary Examining Authority, in addition to the agent(s)/common representative appointed earlier.

Name and address: *(Family name followed by given name; for a legal entity, full official designation.
The address must include postal code and name of country.)*

DAVIS, Catherine
 2500 Virginia Avenue, N.W.
 Washington, D.C. 20037-1902
 United States of America

Telephone No.

(+1) 301 557-3054

Facsimile No.

(+1) 301 557-3060

Agent's registration No. with the Office

E-mail authorization: Marking one of the check-boxes below authorizes the International Bureau and the International Preliminary Examining Authority to use the e-mail address indicated in this Box to send notifications issued in respect of this international application if those offices are willing to do so.

as advance copies followed by paper notifications; or exclusively in electronic form (no paper notifications will be sent).
 E-mail address: _____

Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Box No. IV BASIS FOR INTERNATIONAL PRELIMINARY EXAMINATION**Statement concerning amendments:***

1. The applicant wishes the international preliminary examination **to start on the basis of:**

the description as originally filed, or

as amended under Article 34

the sequence listing (if any) as originally filed, or

as amended under Article 34:

in the form of an Annex C/ST.25 text file

on paper or in the form of an image file

the claims as originally filed, or

as amended under Article 19, and/or

as amended under Article 34

the drawings (if any) as originally filed, or

as amended under Article 34

2. The applicant wishes any amendment to the claims under Article 19 to be considered as reversed.

3. Where the IPEA wishes to start the international preliminary examination at the same time as the international search in accordance with Rule 69.1(b), the applicant requests the IPEA **to postpone** the start of the international preliminary examination until the expiration of the applicable time limit under Rule 69.1(d).

4. The applicant expressly wishes the international preliminary examination **to start earlier** than at the expiration of the applicable time limit under Rule 54bis.1(a).

* Where no check-box is marked, international preliminary examination will start on the basis of the international application as originally filed or, where a copy of amendments to the claims under Article 19 and/or amendments of the international application under Article 34 are received by the International Preliminary Examining Authority before it has begun to draw up a written opinion or the international preliminary examination report, as so amended.

Language for the purposes of international preliminary examination: English

which is the language in which the international application was filed.

which is the language of a translation furnished for the purposes of international search.

which is the language of publication of the international application.

which is the language of the translation (to be) furnished for the purposes of international preliminary examination.

Box No. V ELECTION OF STATES

The filing of this demand constitutes the election of all Contracting States which are designated and are bound by Chapter II of the PCT.

Box No. VI CHECK LIST

The demand is accompanied by the following elements, in the language referred to in Box No. IV, for the purposes of international preliminary examination:

- | | | | |
|---|---|--|----------|
| 1. translation of international application | : | | sheets |
| 2. amendments under Article 34 | : | | 3 sheets |
| 3. letter accompanying the amendments under Article 34 (Rule 66.8) | : | | 2 sheets |
| 4. copy (or, where required, translation) of amendments under Article 19 | : | | sheets |
| 5. copy of the letter accompanying the amendments under Article 19 (Rules 46.5(b) and 53.9) | : | | sheets |
| 6. copy (or, where applicable, translation) of any statement under Article 19 (Rule 62.1(ii)) | : | | sheets |
| 7. other (<i>specify</i>) | : | | sheets |

For International Preliminary Examining Authority use only

received not received

<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

The demand is also accompanied by the item(s) marked below:

- | | |
|--|---|
| 1. <input checked="" type="checkbox"/> fee calculation sheet | 5. <input checked="" type="checkbox"/> sequence listing in the form of an Annex C/ST.25 text file |
| 2. <input type="checkbox"/> original separate power of attorney | 6. <input type="checkbox"/> other (<i>specify</i>): _____ |
| 3. <input type="checkbox"/> original general power of attorney | _____ |
| 4. <input type="checkbox"/> copy of general power of attorney; reference number, if any: | _____ |

Box No. VII SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the demand).

Catherine Davis

Catherine Davis

For International Preliminary Examining Authority use only

1. Date of actual receipt of DEMAND:

2. Adjusted date of receipt of demand due to CORRECTIONS under Rule 60.1(b):

3. The date of receipt of the demand is AFTER the expiration of 19 months from the priority date and item 4 or 5, below, does not apply.

The applicant has been informed accordingly.

4. The date of receipt of the demand is WITHIN the time limit of 19 months from the priority date as extended by virtue of Rule 80.5.

5. Although the date of receipt of the demand is after the expiration of 19 months from the priority date, the delay in arrival is EXCUSED pursuant to Rules 82 or 82*quater*.

6. The date of receipt of the demand is AFTER the expiration of the time limit under Rule 54*bis*.1(a) and item 7 or 8, below, does not apply.

7. The date of receipt of the demand is WITHIN the time limit under Rule 54*bis*.1(a) as extended by virtue of Rule 80.5.

8. Although the date of receipt of the demand is after the expiration of the time limit under Rule 54*bis*.1(a), the delay in arrival is EXCUSED pursuant to Rules 82 or 82*quater*.

For International Bureau use only

Demand received from IPEA on:

PCT

FEE CALCULATION SHEET

Annex to the Demand

International application No. PCT/US2016/654321	For International Preliminary Examining Authority use only												
Applicant's or agent's file reference CHOCO 95549	Date stamp of the IPEA												
Applicant CANDY WRAP UNLIMITED, INC.													
<p>CALCULATION OF PRESCRIBED FEES</p> <p><i>(Applicants may be entitled to a reduction of the preliminary examination fee and the handling fee as indicated in the PCT Fee Tables (http://www.wipo.int/pct/en/fees.pdf))</i></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;">1. PRELIMINARY EXAMINATION FEE</td> <td style="width: 20%; text-align: right; padding: 5px;">EUR 1,930</td> <td style="width: 20%; text-align: center; padding: 5px;"><input type="checkbox"/> P</td> </tr> <tr> <td style="padding: 5px;">2. HANDLING FEE</td> <td style="text-align: right; padding: 5px;">EUR 183</td> <td style="text-align: center; padding: 5px;"><input type="checkbox"/> H</td> </tr> <tr> <td style="padding: 5px;">3. TOTAL OF PRESCRIBED FEES Add the amounts entered at P and H and enter total in the TOTAL box</td> <td style="text-align: right; padding: 5px;">EUR 2,113</td> <td></td> </tr> <tr> <td></td> <td style="text-align: center; padding: 5px;">TOTAL</td> <td></td> </tr> </table>		1. PRELIMINARY EXAMINATION FEE	EUR 1,930	<input type="checkbox"/> P	2. HANDLING FEE	EUR 183	<input type="checkbox"/> H	3. TOTAL OF PRESCRIBED FEES Add the amounts entered at P and H and enter total in the TOTAL box	EUR 2,113			TOTAL	
1. PRELIMINARY EXAMINATION FEE	EUR 1,930	<input type="checkbox"/> P											
2. HANDLING FEE	EUR 183	<input type="checkbox"/> H											
3. TOTAL OF PRESCRIBED FEES Add the amounts entered at P and H and enter total in the TOTAL box	EUR 2,113												
	TOTAL												
<p>MODE OF PAYMENT</p> <p><i>(Not all modes of payment may be available at all IPEAs)</i></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"><input type="checkbox"/> credit card <i>(details should not be included on this sheet)</i></td> <td style="width: 50%; padding: 5px;"><input type="checkbox"/> postal money order</td> </tr> <tr> <td style="padding: 5px;"><input checked="" type="checkbox"/> authorization to charge deposit or current account with the IPEA (see below)</td> <td style="padding: 5px;"><input type="checkbox"/> check</td> </tr> <tr> <td style="padding: 5px;"><input type="checkbox"/> bank transfer</td> <td style="padding: 5px;"><input type="checkbox"/> revenue stamps</td> </tr> <tr> <td style="padding: 5px;"><input type="checkbox"/> cash</td> <td style="padding: 5px;"><input type="checkbox"/> other (specify): _____</td> </tr> </table>		<input type="checkbox"/> credit card <i>(details should not be included on this sheet)</i>	<input type="checkbox"/> postal money order	<input checked="" type="checkbox"/> authorization to charge deposit or current account with the IPEA (see below)	<input type="checkbox"/> check	<input type="checkbox"/> bank transfer	<input type="checkbox"/> revenue stamps	<input type="checkbox"/> cash	<input type="checkbox"/> other (specify): _____				
<input type="checkbox"/> credit card <i>(details should not be included on this sheet)</i>	<input type="checkbox"/> postal money order												
<input checked="" type="checkbox"/> authorization to charge deposit or current account with the IPEA (see below)	<input type="checkbox"/> check												
<input type="checkbox"/> bank transfer	<input type="checkbox"/> revenue stamps												
<input type="checkbox"/> cash	<input type="checkbox"/> other (specify): _____												
<p>AUTHORIZATION TO CHARGE (OR CREDIT) DEPOSIT OR CURRENT ACCOUNT</p> <p><i>(This mode of payment may not be available at all IPEAs)</i></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> <input checked="" type="checkbox"/> Authorization to charge the total fees indicated above. </td> <td style="width: 50%; padding: 5px;"> IPEA/ <u>EP</u> </td> </tr> <tr> <td style="padding: 5px;"> <input type="checkbox"/> <i>(This check-box may be marked only if the conditions for deposit or current accounts of the IPEA so permit)</i> Authorization to charge any deficiency or credit any overpayment in the total fees indicated above. </td> <td style="padding: 5px;"> Deposit or Current Account No.: <u>123456</u> </td> </tr> <tr> <td></td> <td style="padding: 5px;"> Date: <u>31 July 2017 (31.07.2017)</u> </td> </tr> <tr> <td></td> <td style="padding: 5px;"> Name: <u>Catherine Davis</u> </td> </tr> <tr> <td></td> <td style="padding: 5px;"> Signature: <u>Catherine Davis</u> </td> </tr> </table>		<input checked="" type="checkbox"/> Authorization to charge the total fees indicated above.	IPEA/ <u>EP</u>	<input type="checkbox"/> <i>(This check-box may be marked only if the conditions for deposit or current accounts of the IPEA so permit)</i> Authorization to charge any deficiency or credit any overpayment in the total fees indicated above.	Deposit or Current Account No.: <u>123456</u>		Date: <u>31 July 2017 (31.07.2017)</u>		Name: <u>Catherine Davis</u>		Signature: <u>Catherine Davis</u>		
<input checked="" type="checkbox"/> Authorization to charge the total fees indicated above.	IPEA/ <u>EP</u>												
<input type="checkbox"/> <i>(This check-box may be marked only if the conditions for deposit or current accounts of the IPEA so permit)</i> Authorization to charge any deficiency or credit any overpayment in the total fees indicated above.	Deposit or Current Account No.: <u>123456</u>												
	Date: <u>31 July 2017 (31.07.2017)</u>												
	Name: <u>Catherine Davis</u>												
	Signature: <u>Catherine Davis</u>												

Part II: Forms concerning priority claims

- RO/110 (July 2008)
- RO/158 (July 2014)
- RO/159 (July 2016)

PATENT COOPERATION TREATY

From the RECEIVING OFFICE

PCT

INVITATION TO CORRECT PRIORITY CLAIM
AND/OR NOTIFICATION OF POSSIBILITY
TO REQUEST RESTORATION OF
THE RIGHT OF PRIORITY

(PCT Rules 4.10, 26bis.1, 26bis.2(a) and (b), 26bis.3)

To:		Date of mailing (day/month/year)	
Applicant's or agent's file reference		REPLY DUE See items 1 and 2	
International application No.	International filing date (day/month/year)	Priority date (day/month/year)	
Applicant			

1. The applicant is hereby **invited** to correct, by a notice submitted to the receiving Office, within the time limit indicated below, defects in the priority claim as indicated in Annex A.

Time limit to respond to this Invitation (Rule 26bis.1(a)):

- within 16 months from the (earliest) priority date; or
 - if the (earliest) priority date is changed as a result of the correction or addition of the (earliest) priority claim, within 16 months from that (earliest) priority date so changed,
- whichever expires first, provided that such a notice may, in any event, be submitted until the expiration of four months from the international filing date.

Failure to respond to this Invitation within the prescribed time limit may result in the priority claim concerned to be considered void for the purposes of the procedure under the PCT (Rule 26bis.2(b)).

2. The international filing date of the international application is later than the date on which the priority period (Rule 2.4) expired but is within two months from that date. The applicant is hereby **notified** of the possibility of submitting to the receiving Office, within the time limit indicated below, a request to restore the right of priority as indicated in Annex B.

Time limit to request the restoration of the right of priority (Rule 26bis.3(e)):

- within two months from the date on which the priority period expired.

3. In the case where **multiple priorities** have been claimed, this notice relates to the following priority claim:

A copy of this Invitation/Notification is being sent to the International Bureau.

Name and mailing address of the receiving Office	Authorized officer
Facsimile No.	Telephone No.

ANNEX A TO FORM PCT/RO/110

This receiving Office has found the following defects in the priority claim(s):

1. Failure to Comply with the Requirements of Rule 4.10

- a. **National** application
- Missing indication of the filing date of the earlier application.
 - Filing date indicated for the earlier application does not fall within the period of 12 months preceding the international filing date.¹
 - Missing indication of the number of the earlier application.²
 - Missing indication of the country party to the Paris Convention for the Protection of Industrial Property, or of the Member of the World Trade Organization that is not party to that Convention, in which the earlier national application was filed.
 - The country indicated is neither a party to the Paris Convention for the Protection of Industrial Property nor a Member of the World Trade Organization.
- b. **Regional** application
- Missing indication of the filing date of the earlier application.
 - Filing date indicated for the earlier application does not fall within the period of 12 months preceding the international filing date.¹
 - Missing indication of the number of the earlier application.²
 - Missing indication of the authority entrusted with the granting of regional patents under the applicable regional patent treaty.
 - The authority indicated as the authority entrusted with the granting of regional patents does not grant regional patents.
 - The priority claim in relation to the ARIPO application does not indicate either at least one country party to the Paris Convention for the Protection of Industrial Property, or at least one Member of the World Trade Organization, for which the earlier application was filed.
- c. **International** application
- Missing indication of the filing date of the earlier application.
 - Filing date indicated for the earlier application does not fall within the period of 12 months preceding the international filing date.¹
 - Missing indication of the number of the earlier application.²
 - Missing indication of the receiving Office with which it was filed.

2. Inconsistency with the Corresponding Indications in the Priority Document²

- a. Inconsistency with regard to the filing date of the earlier application:
The request indicates:
The priority document indicates:
- b. Inconsistency with regard to the number of the earlier application:
The request indicates:
The priority document indicates:
- c. Inconsistency with regard to the country party to the Paris Convention for the Protection of Industrial Property or the Member of the World Trade Organization in which the **national** application was filed:
The request indicates:
The priority document indicates:
- d. Inconsistency with regard to the authority entrusted with the granting of *regional patents* under the applicable regional patent treaty:
The request indicates:
The priority document indicates:
- e. Inconsistency with regard to the receiving Office with which the **international** application was filed:
The request indicates:
The priority document indicates:

¹ If the international filing date is later than the date on which the priority period expired, but is within two months from that date, the priority claim will not be considered void (Rule 26bis.2(c)(iii)).

² Even if this defect is not corrected in response to this Invitation, the priority claim concerned will not be considered void (Rule 26bis.2(c)(i) and (ii)).

NOTIFICATION OF POSSIBILITY TO REQUEST RESTORATION OF THE RIGHT OF PRIORITY

(Rule 26bis.3)

The international filing date of the international application is later than the date on which the priority period (Rule 2.4) expired but is within two months from that date. If the filing date of the earlier application has been indicated correctly and no request for correction of that filing date is submitted under Rule 26bis.1(a), the applicant may submit to the receiving Office, within the time limit indicated below, a request to restore the right of priority.

REQUEST TO RESTORE THE RIGHT OF PRIORITY

The **request to restore the right of priority** must be filed **within two months** from the date on which the priority period expired provided that, where the applicant makes a request for early publication under Article 21(2)(b), the request must be submitted before technical preparations for international publication have been completed (Rule 26bis.3(e)).

The **request to restore the right of priority** must state the reasons for the failure to file the international application within the priority period. This receiving Office will restore the right of priority if it finds that the following criterion or one of the following criteria for restoration is satisfied, namely that the failure to file the international application within the priority period:

occurred in spite of due care required by the circumstances having been taken

and/or

was unintentional

This receiving Office may invite the applicant to furnish a declaration or other evidence in support of the statement of reasons (Rule 26bis.3(f)). Preferably, such declaration or other evidence should already be furnished together with the request for restoration of the right of priority.

FEE PAYMENT

The submission of the request to restore the right of priority is subject to **the payment of a fee**, payable **within two months**³ from the date on which the priority period expired, in the amount of:

_____ (amount/currency) for restoration based on the criterion of due care;

or

_____ (amount/currency) for restoration based on the criterion of unintentional.

No fee payment is required.

³ The receiving Office may extend the time limit for payment of the fee for a period of up to two months from the expiration of this time limit.

PATENT COOPERATION TREATY

From the RECEIVING OFFICE

PCT

NOTIFICATION OF INTENDED REFUSAL OF REQUEST TO RESTORE RIGHT OF PRIORITY AND/OR INVITATION TO FURNISH DECLARATION OR OTHER EVIDENCE

(PCT Rule 26bis.3(f) and (g))

To:		
	Date of mailing (day/month/year)	
Applicant's or agent's file reference	REPLY DUE See below	
International application No.	International filing date/Date of receipt (day/month/year)	Priority date (day/month/year)
Applicant		

This receiving Office has received from the applicant a request for restoration of the right of priority which was:

- included in Form PCT/RO/101 at the time of filing of this international application.
 received on _____

The request for restoration of the right of priority concerns the following priority claim(s) _____
 _____. The applicant is hereby notified that this receiving Office **intends to refuse, or partially refuse**, the request for the reason(s) set out below (and, where necessary, more fully in the Annex):

1. the request to restore the right of priority was not received within the applicable time limit under Rule 26bis.3(e)*.
2. the international application has an international filing date which is beyond two months from the expiration of the priority period (Rule 26bis.3(a)).
3. a priority claim in respect of the earlier application is not contained in the international application (Rule 26bis.3(c)).
4. the statement of reasons for the failure to file the international application within the priority period is missing (Rule 26bis.3(b)(ii)).
5. the required declaration and/or evidence in support of the statement of reasons for the failure to file the international application within the priority period is missing or insufficient (Rule 26bis.3(f)).
6. the fee required under Rule 26bis.3(d) was not paid, or was not paid in full.
7. the criterion for restoring the priority right, as applied by this receiving Office (the due care and/or the unintentional criterion), is not met for the reasons set out in the Annex.

The applicant is invited to:

- provide any observations, evidence or declarations within a time limit of _____ months from the date of this Notification (Rule 26bis.3(g)).
- pay the fee for requesting restoration within the time limit under Rule 26bis.3(e)* _____ months from the expiration of the time limit under Rule 26bis.3(e)* (Rule 26bis.3(d)).
- submit the missing statement of reasons within the time limit under Rule 26bis.3(e)* (Rule 26bis.3(b)(ii)).
- add the priority claim(s) within the time limit under Rule 26bis.3(e)* (Rule 26bis.3(c)).

* The time limit applicable under Rule 26bis.3(e) is two months from the date on which the priority period expired. Where the applicant makes a request for early publication under Article 21(2)(b), the time limit to comply with the requirements of Rule 26bis.3(a), (c) and (d) is the date of completion of technical preparations for international publication even if this occurs before the two-month time limit expires.

A copy of this Notification/Invitation is being sent to the International Bureau.

Name and mailing address of the receiving Office	Authorized officer
Facsimile No.	Telephone No.

ANNEX TO FORM PCT/RO/158

International application No.

This receiving Office intends to refuse, or partially refuse, the request to restore the right of priority for the following reason(s):

PATENT COOPERATION TREATY

From the RECEIVING OFFICE

PCT

NOTIFICATION OF DECISION ON REQUEST TO RESTORE RIGHT OF PRIORITY

(PCT Rule 26bis.3(h)(iii))

To:		
	Date of mailing (day/month/year)	
Applicant's or agent's file reference	IMPORTANT NOTIFICATION	
International application No.	International filing date/Date of receipt (day/month/year)	Priority date (day/month/year)
Applicant		

Upon the request of the applicant:

included in Form PCT/RO/101 at the time of filing of this international application, or

received on _____

to restore the right of priority in respect of the following priority claim(s) _____
this receiving Office has decided:

to restore the right of priority, based on the finding by this receiving Office that the criterion for restoration applied by it is **satisfied**, namely that the failure to file the international application within the priority period:

occurred in spite of due care required by the circumstances having been taken for the reasons set out in the Annex.

was unintentional the reasons are set out in the Annex.

to refuse the request to restore the right of priority, following issuance of the Notification of Intended Refusal of Request to Restore Right of Priority (Form PCT/RO/158) dated _____ for the following reason(s) set out below (and, where necessary, more fully in the Annex):

1. the request to restore the right of priority was not received within the applicable time limit under Rule 26bis.3(e).
2. the international application has an international filing date which is beyond two months from the expiration of the priority period (Rule 26bis.3(a)).
3. a priority claim in respect of an earlier application is not contained in the international application (Rule 26bis.3(c)).
4. the statement of reasons for the failure to file the international application within the priority period is missing (Rule 26bis.3(b)(ii)).
5. a required declaration and/or evidence in support of the statement of reasons for the failure to file the international application within the priority period is missing or insufficient (Rule 26bis.3(f)).
6. lack of or late payment of the fee for restoration of the priority right (Rule 26bis.3(d)).
7. the criterion for restoring the priority right, as applied by this receiving Office (the due care and/or the unintentional criterion), is not met for the reasons set out in the Annex.

The applicant is hereby notified that this receiving Office has decided not to transmit the following document(s) or part(s) thereof to the International Bureau (Rule 26bis.3(h-bis)): _____

The applicant is hereby notified that this receiving Office has considered the applicant's request not to transmit (a) document(s) or part(s) thereof to the International Bureau (Rule 26bis.3(h-bis)), and has nevertheless decided to transmit this/these document(s) or part(s) thereof to the International Bureau.

A copy of this Notification is being sent to the International Bureau.

Name and mailing address of the receiving Office	Authorized officer
Facsimile No.	Telephone No.

ANNEX TO FORM PCT/RO/159

International application No.

This receiving Office has made the above decision(s) for the following reasons:

Part III: Forms concerning correction of defects

- RO/103 (April 2007)
- RO/107 (July 2009)
- RO/114 (July 2009)
- RO/126 (April 2007)

PATENT COOPERATION TREATY

From the RECEIVING OFFICE

PCT

INVITATION TO CORRECT THE PURPORTED
INTERNATIONAL APPLICATION

(PCT Article 11(2)(a) and Rules 20.3, 20.6 and 20.7)

To:	
	Date of mailing (day/month/year)
Applicant's or agent's file reference	REPLY DUE within TWO MONTHS from the above date of mailing. See also last two paragraphs below.
International application No.	Date of receipt (day/month/year)
Applicant	
Title of the invention	

The applicant is hereby invited, within the time limit indicated above, to correct the purported international application since it does not fulfill the requirements under Article 11(1) for the according of an international filing date, for the reason(s) indicated below.

1. The applicant obviously lacks for reasons of residence and nationality the right to file an international application with this receiving Office (Article 11(1)(i) and Rules 18 and 19).
2. The description is not in (one of) the prescribed language(s), which is (are): _____
(Article 11(1)(ii) and Rules 12.1(a) and 20.1(c)).
3. The claims are not in (one of) the prescribed language(s), which is (are): _____
(Article 11(1)(ii) and Rules 12.1(a) and 20.1(c)).
4. The application does not contain an indication that it is intended as an international application (Article 11(1)(iii)(a) and Rule 4.2).
5. The application does not contain the name of the applicant, as prescribed (Article 11(1)(iii)(c) and Rule 20.1(b)).
6. The application does not contain a part which on the face of it appears to be a description (Article 11(1)(iii)(d) and Rule 5) (See Annex).
7. The application does not contain a part which on the face of it appears to be a claim or claims (Article 11(1)(iii)(e) and Rule 6) (See Annex).

Where item 6 and/or 7 apply, the applicant is hereby invited, within the time limit indicated above, at the applicant's option:

(i) to furnish the required correction under Article 11(2); or

(ii) to confirm in accordance with Rule 20.6(a) that the element referred to in Article 11(1)(iii)(d) and/or (e) was incorporated by reference under Rule 4.18 (see Annex for details);

and to make observations, if any.

ATTENTION

Except where a missing element is considered to have been contained in the international application under Rule 20.6(b), the international filing date will be the date on which the corrections are received, if that date falls within the time limit indicated above. If the corrections are not received within that time limit, the application will not be treated as an international application.

The time limit for responding to this invitation expires later than 12 months from the filing date of the earliest application the priority of which is claimed. Thus, any correction under Article 11(2) which is received by this receiving Office after the expiration of this 12-month period may result in that priority claim being considered void for the purposes of the procedure under the PCT (Rule 26bis.2(b)), except if the international application was filed within 14 months from the filing date of the earliest application whose priority is claimed (Rule 26bis.2(c)(iii)).

Name and mailing address of the receiving Office	Authorized officer
Facsimile No.	Telephone No.

ANNEX TO FORM PCT/RO/103

International application No.

Continuation of item 6. and 7.:

Where the applicant wishes to confirm in accordance with Rule 20.6(a) that the element referred to in Article 11(1)(iii)(d) and/or (e) was incorporated by reference under Rule 4.18, the applicant shall furnish, within two months from the date of mailing of this invitation (Rule 20.7(a)(i)), the following:

1. Written notice confirming that the element referred to in Article 11(1)(iii)(d) and/or (e) was incorporated by reference in the international application under Rule 4.18 (*no special Form required*).
2. Sheet or sheets embodying the entire element as contained in the earlier application, which applicant desires to be part of the international application, in the following language (Rule 12.1*bis*):
 - a. language of filing of the international application, that is, in _____
 - b. language of translation under Rule 12.3(a), that is, in _____
 - c. language of translation under Rule 12.4(a), that is, in _____
3. Where the applicant has not already complied with Rules 17.1(a), (b) or (b-*bis*) in relation to the priority document, a copy of the earlier application as filed.
4. Translation of the earlier application into the following language (Rule 20.6(a)(iii)):
 - a. language of filing of the international application, that is, into _____
 - b. language of translation under Rule 12.3(a), that is, into _____
 - c. language of translation under Rule 12.4(a), that is, into _____

If this receiving Office finds that the requirements of Rules 4.18 and 20.6 have been complied with and that the element referred to in Article 11(1)(iii)(d) and/or (e) was completely contained in the earlier application, that element will be considered to have been contained in the purported international application on the date on which one or more elements referred to in Article 11(1)(iii) were first received by this receiving Office.

PATENT COOPERATION TREATY

From the RECEIVING OFFICE

PCT

INVITATION RELATING TO CERTAIN PARTS OF
THE INTERNATIONAL APPLICATION THAT
ARE, OR APPEAR TO BE, MISSING

(PCT Rule 20.5(a))

To:			
		Date of mailing <i>(day/month/year)</i>	
Applicant's or agent's file reference		REPLY DUE within TWO MONTHS from the above date of mailing. See also item 4 below.	
International application No.	Date of receipt <i>(day/month/year)</i>	Priority date <i>(day/month/year)</i>	
Applicant			

1. This receiving Office has found:

a. parts of the description are, or appear to be, missing (*specify pages*): _____

b. a part of a claim or a part of the claims are, or appear to be, missing (*specify pages*): _____

c. parts or all of the drawings are, or appear to be, missing (*specify pages*): _____

d. references to drawings, which appear to be missing, are made on pages _____

2. The applicant is hereby invited, within the time limit indicated above, at the applicant's option:

(i) to complete the purported international application by furnishing the missing part(s); or

(ii) to confirm in accordance with Rule 20.6(a) that the part was incorporated by reference under Rule 4.18 (see Annex for details);

and to make observations, if any.

3. Where missing drawings are not furnished to this receiving Office within the time limit indicated above, any references to such drawings in the international application will be considered non-existent (Article 14(2)).

4. **Attention:**

Where the applicant furnishes to this receiving Office, after the date on which all of the requirements of Article 11(1) were fulfilled (and an international filing date has been accorded) but within the time limit indicated above, the missing part so as to complete the international application, this receiving Office will correct the international filing date to the date on which it received that part (Rule 20.5(c)).

The time limit for responding to this invitation expires later than 12 months from the filing date of the earliest application the priority of which is claimed. In the case referred to in paragraph 2.(i), any missing part received by this receiving Office after the expiration of this 12-month period may result not only in the international filing date being corrected but also in that priority claim being considered void for the purposes of the procedure under the PCT (Rule 26bis.2(b)), except if the international application was filed within 14 months from the filing date of the earliest application whose priority is claimed (Rule 26bis.2(c)(iii)).

A copy of this Invitation is being sent to the International Bureau and the International Searching Authority.

Name and mailing address of the receiving Office	Authorized officer
Facsimile No.	Telephone No.

ANNEX TO FORM PCT/RO/107

International application No.

Continuation of item 2:

Where the applicant wishes to confirm in accordance with Rule 20.6(a) that the missing part was incorporated by reference under Rule 4.18, the applicant shall furnish, within two months from the date of mailing of this invitation (Rule 20.7(a)(i)), the following:

1. Written notice confirming that the missing part was incorporated by reference in the international application under Rule 4.18 (*no special Form required*).
2. Sheet or sheets embodying the part concerned as contained in the earlier application, which applicant desires to be part of the international application, in the following language (Rule 12.1*bis*):
 - a. language of filing of the international application, that is, in _____
 - b. language of translation under Rule 12.3(a), that is, in _____
 - c. language of translation under Rule 12.4(a), that is, in _____
3. Where the applicant has not already complied with Rules 17.1(a), (b) or (b-*bis*) in relation to the priority document, a copy of the earlier application as filed.
4. Translation of the earlier application into the following language (Rule 20.6(a)(iii)):
 - a. language of filing of the international application, that is, into _____
 - b. language of translation under Rule 12.3(a), that is, into _____
 - c. language of translation under Rule 12.4(a), that is, into _____
5. Indication(s) where the missing part is contained in the earlier application and, where applicable any translation referred to under item (2), where the missing part is only a part of the description, claims or drawings.

If this receiving Office finds that the requirements of Rules 4.18 and 20.6 have been complied with and that the missing part was completely contained in the earlier application, that part will be considered to have been contained in the purported international application on the date on which one or more elements referred to in Article 11(1)(iii) were first received by this receiving Office.

PATENT COOPERATION TREATY

From the RECEIVING OFFICE

PCT

To:	NOTIFICATION ON DECISION OF CONFIRMATION OF INCORPORATION BY REFERENCE OF ELEMENT OR PART (PCT Rule 20.6(b) and (c))
	Date of mailing <i>(day/month/year)</i>
Applicant's or agent's file reference	IMPORTANT NOTIFICATION
International application No.	International filing date/Date of first receipt of papers <i>(day/month/year)</i>
Applicant	

This receiving Office has found that:

1. the requirements of Rules 4.18 and 20.6(a) have been complied with and that an element or part is considered to have been contained in the purported international application on the date on which one or more elements referred to in Article 11(1)(iii) were first received by this receiving Office (for further details on the international filing date accorded see Form PCT/RO/105 issued separately) (Rule 20.6(b)).

This decision concerns page number(s) _____

received on _____

For the purposes of Rule 20.6(a)(ii), this decision has been based on:

- a. the priority document furnished under Rule 17.1(a), (b) or (b-bis).
- b. a copy of the earlier application as filed (Rule 20.6(a)(ii)).
2. the requirements of Rules 4.18 and 20.6(a) have **not** been complied with and that an element or part is **not** considered to have been contained in the purported international application on the date on which one or more elements referred to in Article 11(1)(iii) were first received by this receiving Office (Rule 20.6(c)), for the reasons indicated in the Annex to this form.

This decision concerns page number(s) _____

For further details concerning the processing of the later submitted parts, only where item 2. applies, see Form PCT/RO/126.

A copy of this Notification is being sent to the International Bureau and the International Searching Authority.

Name and mailing address of the receiving Office	Authorized officer
Facsimile No.	Telephone No.

ANNEX TO FORM PCT/RO/114

Continuation of item 2: this receiving Office refuses the request for incorporation by reference of an element or part for the following reason(s):

- One or more of the following items is not available to the receiving Office and has not been submitted within the applicable time limit under Rule 20.7:
- a sheet or sheets embodying the entire element contained in the earlier application or the part concerned (Rule 20.6(a)(i));
 - a copy of the earlier application as filed (Rule 20.6(a)(ii));
 - a translation of the earlier application (Rule 20.6(a)(iii));
 - an indication as to where the missing part is contained in the earlier application and, where applicable, in any translation thereof (Rule 20.6(a)(iv));
- The missing element or part is not completely contained in the earlier application, the priority of which is claimed (*specify*):

- Additional comments, where necessary:

PATENT COOPERATION TREATY

From the RECEIVING OFFICE

PCTNOTIFICATION CONCERNING LATER
SUBMITTED PARTS OF AN
INTERNATIONAL APPLICATION(PCT Rule 20.5(b) and (c),
Administrative Instructions, Sections 310 and 310^{ter})

To:	
	Date of mailing (day/month/year)
Applicant's or agent's file reference	IMPORTANT NOTIFICATION
International application No.	International filing date/Date of first receipt of papers (day/month/year)
Applicant	

1. The applicant is hereby notified that a missing part or parts of the description, claims or drawings pertaining to the (purported) international application furnished by the applicant to complete the international application were received by this receiving Office on _____ that is, on a date later than the date on which one or more elements referred to in Article 11(1)(iii) were first received by this receiving Office.
2. As the date of receipt of those later submitted parts is within two months from the date of the invitation issued under Rule 20.5(a) (Form PCT/RO/107, dated _____) or, where no such invitation was issued, within two months from the date on which one or more elements of this international application referred to in Article 11(1)(iii) were first received by this receiving Office, and since an incorporation by reference of these later submitted parts was not confirmed in accordance with Rules 4.18 and 20.6(a):
 - a. the later submitted parts are included in the application and since, to date, not all of the requirements of Article 11(1) are fulfilled, this receiving Office will accord an international filing date once all of those requirements are fulfilled (Rule 20.5(b));
 - b. the later submitted parts are included in the application and the international filing date is corrected to the date on which this receiving Office received those later submitted parts, that is, to _____ (corrected international filing date). The applicant may, in a notice submitted to the receiving Office within one month from the date of mailing of this notification, **request that the missing part concerned be disregarded**, in which case the missing part shall be considered not to have been furnished and the correction of the international filing date shall be considered not to have been made (Rule 20.5(e)).
3. Following issuance of this Form, the applicant has requested that the missing part concerned be disregarded according to Rule 20.5(e) (see paragraph 2.b. above). The international filing date is therefore _____
4. As the date of receipt of those later submitted parts is not within two months from the date of the invitation issued under Rule 20.5(a) (Form PCT/RO/107, dated _____) or, where no such invitation was issued, is not within two months from the date on which one or more elements of this international application referred to in Article 11(1)(iii) were first received by this receiving Office, the later submitted parts will not be included in the application and will not be taken into account for the purposes of international processing.
5. A copy of this notification has been sent to:

<input type="checkbox"/> the International Bureau	<input type="checkbox"/> the International Searching Authority
---	--

Name and mailing address of the receiving Office	Authorized officer
Facsimile No.	Telephone No.

Part IV: Power of Attorney

- PCT/Model Power of Attorney (January 2009)
- PCT/Model of General Power of Attorney (January 2009)

PCT

POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)

(PCT Rule 90.4)

The undersigned applicant(s) (*Names should be indicated as they appear in the Request Form (PCT/RO/101)*):

hereby appoints (appoint) the following person as: agent common representative

Name and address

(*Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.*)

to represent the undersigned before

- all the competent International Authorities
- the International Searching Authority only
- the Authority specified for supplementary search only: _____
(*please indicate the Authority(ies) specified for supplementary search*)
- the International Preliminary Examining Authority only

in connection with the international application identified below:

Title of the invention:

Applicant's or agent's file reference:

International application number (if already available):

filed with the following Office _____ as receiving Office
and to make or receive payments on behalf of the undersigned.

Signature of the applicant(s) (*where there are several applicants, each of them must sign; next to each signature, indicate the name of the person signing and the capacity in which the person signs, if such capacity is not obvious from reading the request or this power*):

Date: _____

PCT

GENERAL POWER OF ATTORNEY

(for several international applications filed under the Patent Cooperation Treaty)

(PCT Rule 90.5)

The undersigned person(s):

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

hereby appoint(s) the following person as:

agent

common representative

Name and address

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

to represent the undersigned before

all the competent International Authorities

the International Searching Authority only

the Authority specified for supplementary search: _____
(please indicate the Authority(ies) specified for supplementary search)

the International Preliminary Examining Authority only

in connection with any and all international applications filed by the undersigned with the following Office:

_____ as receiving Office
and to make or receive payments on behalf of the undersigned.

Signature(s) *(where there are several persons, each of them must sign; next to each signature, indicate the name of the person signing and the capacity in which the person signs, if such capacity is not obvious from reading this power):*

Date: _____

Part V: Forms concerning International Search and WO of the ISA

- ISA/203 (January 2019)
- ISA/210 (January 2019)
- ISA/220 (January 2019)
- ISA/237 (January 2019)
- IB/373 (January 2019)

PATENT COOPERATION TREATY

PCT

DECLARATION OF NON-ESTABLISHMENT OF INTERNATIONAL SEARCH REPORT

(PCT Article 17(2)(a), Rules 13ter.1(c) and (d) and 39)

Applicant's or agent's file reference	IMPORTANT DECLARATION
International application No.	Date of mailing (<i>day/month/year</i>)
International filing date (<i>day/month/year</i>)	(Earliest) Priority Date (<i>day/month/year</i>)
International Patent Classification (IPC) or both national classification and IPC	
Applicant	

This International Searching Authority hereby declares, according to Article 17(2)(a), that **no international search report will be established** on the international application for the reasons indicated below.

1. The subject matter of the international application relates to:
- a. scientific theories
 - b. mathematical theories
 - c. plant varieties
 - d. animal varieties
 - e. essentially biological processes for the production of plants and animals, other than microbiological processes and the products of such processes
 - f. schemes, rules or methods of doing business
 - g. schemes, rules or methods of performing purely mental acts
 - h. schemes, rules or methods of playing games
 - i. methods for treatment of the human body by surgery or therapy
 - j. methods for treatment of the animal body by surgery or therapy
 - k. diagnostic methods practised on the human or animal body
 - l. mere presentations of information
 - m. computer programs for which this International Searching Authority is not equipped to search prior art
2. The failure of the following parts of the international application to comply with prescribed requirements prevents a meaningful search from being carried out:
- the description the claims the drawings
3. A meaningful search could not be carried out without the sequence listing; the applicant did not, within the prescribed time limit:
- furnish a sequence listing in the form of an Annex C/ST.25 text file, and such listing was not available to the International Searching Authority in a form and manner acceptable to it; or the sequence listing furnished did not comply with the standard provided for in Annex C of the Administrative Instructions.
 - furnish a sequence listing on paper or in the form of an image file complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it; or the sequence listing furnished did not comply with the standard provided for in Annex C of the Administrative Instructions.
 - pay the required late furnishing fee for the furnishing of a sequence listing in response to an invitation under Rule 13ter.1(a) or (b).
4. Further comments:

Name and mailing address of the ISA/	Authorized officer
Facsimile No.	Telephone No.

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference		FOR FURTHER ACTION	
		see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No.	International filing date (<i>day/month/year</i>)	(Earliest) Priority Date (<i>day/month/year</i>)	
Applicant			

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of _____ sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of:

the international application in the language in which it was filed.

a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

b. This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. **Certain claims were found unsearchable** (see Box No. II).

3. **Unity of invention is lacking** (see Box No. III).

4. With regard to the **title**,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. _____

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b. none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.

Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.c of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of a sequence listing:
 - a. forming part of the international application as filed:
 - in the form of an Annex C/ST.25 text file.
 - on paper or in the form of an image file.
 - b. furnished together with the international application under PCT Rule 13*ter*.1(a) for the purposes of international search only in the form of an Annex C/ST.25 text file.
 - c. furnished subsequent to the international filing date for the purposes of international search only:
 - in the form of an Annex C/ST.25 text file (Rule 13*ter*.1(a)).
 - on paper or in the form of an image file (Rule 13*ter*.1(b) and Administrative Instructions, Section 713).
2. In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that forming part of the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments:

INTERNATIONAL SEARCH REPORT

International application No.

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

INTERNATIONAL SEARCH REPORT

International application No.

A. CLASSIFICATION OF SUBJECT MATTER		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
<p>* Special categories of cited documents:</p> <p>“A” document defining the general state of the art which is not considered to be of particular relevance</p> <p>“E” earlier application or patent but published on or after the international filing date</p> <p>“L” document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>“O” document referring to an oral disclosure, use, exhibition or other means</p> <p>“P” document published prior to the international filing date but later than the priority date claimed</p> <p>“T” later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>“X” document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>“Y” document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>“&” document member of the same patent family</p>		
Date of the actual completion of the international search		Date of mailing of the international search report
Name and mailing address of the ISA/		Authorized officer
Facsimile No.		Telephone No.

INTERNATIONAL SEARCH REPORT

International application No.

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

INTERNATIONAL SEARCH REPORT

International application No.

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

PCT

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL SEARCH REPORT AND
THE WRITTEN OPINION OF THE INTERNATIONAL
SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

To:	
	Date of mailing (day/month/year)
Applicant's or agent's file reference	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No.	International filing date (day/month/year)
Applicant	

1. The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.

Filing of amendments and statement under Article 19:
The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.

How? Directly to the International Bureau preferably through ePCT, or on paper to:
The International Bureau of WIPO, 34, chemin des Colombettes, 1211 Geneva 20, Switzerland
(Facsimile No.: +41 22 338 82 70)

For more detailed instructions, see the *PCT Applicant's Guide*, International Phase, paragraphs 9.004 – 9.011.

2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.

3. **With regard to any protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

the protest together with the decision thereon has been transmitted to the International Bureau together with any request to forward the texts of both the protest and the decision thereon to the designated Offices.

no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Reminders**

The applicant may **submit comments on an informal basis on the written opinion of the International Searching Authority** to the International Bureau. These comments will be made available to the public after international publication. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established.

Shortly after the expiration of **18 months from the priority date, the international application will be published** by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau before the completion of the technical preparations for international publication (Rules 90*bis*.1 and 90*bis*.3).

Within **19 months** from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase **until 30 months** from the priority date (in some Offices even later); otherwise, the applicant must, **within 20 months** from the priority date, perform the prescribed acts for **entry into the national phase** before those designated Offices. In respect of other designated Offices, the time limit of **30 months** (or later) will apply even if no demand is filed within 19 months. For details about the applicable time limits, Office by Office, see www.wipo.int/pct/en/texts/time_limits.html and the *PCT Applicant's Guide*, National Chapters.

Within **22 months from the priority date, the applicant may request that a supplementary international search be carried out** by a different International Searching Authority that offers this service (Rule 45*bis*.1). The procedure for requesting supplementary international search is described in the *PCT Applicant's Guide*, International Phase, paragraphs 8.006-8.032.

Name and mailing address of the ISA/	Authorized officer
Facsimile No.	Telephone No.

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43*bis*.1)

To:		Date of mailing (day/month/year)	
Applicant's or agent's file reference		FOR FURTHER ACTION See paragraph 2 below	
International application No.	International filing date (day/month/year)	Priority date (day/month/year)	
International Patent Classification (IPC) or both national classification and IPC			
Applicant			

1. This opinion contains indications relating to the following items:

- Box No. I Basis of the opinion
- Box No. II Priority
- Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- Box No. IV Lack of unity of invention
- Box No. V Reasoned statement under Rule 43*bis*.1(a)(i) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statement
- Box No. VI Certain documents cited
- Box No. VII Certain defects in the international application
- Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1*bis*(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

Name and mailing address of the ISA/ Facsimile No.	Date of completion of this opinion	Authorized officer Telephone No.
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**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No. _____

Box No. I Basis of this opinion

1. With regard to the **language**, this opinion has been established on the basis of:
 - the international application in the language in which it was filed.
 - a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

2. This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43*bis*.1(b)).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of a sequence listing:
 - a. forming part of the international application as filed:
 - in the form of an Annex C/ST.25 text file.
 - on paper or in the form of an image file.
 - b. furnished together with the international application under PCT Rule 13*ter*.1(a) for the purposes of international search only in the form of an Annex C/ST.25 text file.
 - c. furnished subsequent to the international filing date for the purposes of international search only:
 - in the form of an Annex C/ST.25 text file (Rule 13*ter*.1(a)).
 - on paper or in the form of an image file (Rule 13*ter*.1(b) and Administrative Instructions, Section 713).

4. In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that forming part of the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

5. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

Box No. II Priority

1. The validity of the priority claim has not been considered because the International Searching Authority does not have in its possession a copy of the earlier application whose priority has been claimed or, where required, a translation of that earlier application. This opinion has nevertheless been established on the assumption that the relevant date (Rules 43*bis*.1 and 64.1) is the claimed priority date.
2. This opinion has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rules 43*bis*.1 and 64.1). Thus for the purposes of this opinion, the international filing date indicated above is considered to be the relevant date.
3. Additional observations, if necessary:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No. _____

Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:

- the entire international application.
- claims Nos. _____

because:

- the said international application, or the said claims Nos. _____ relate to the following subject matter which does not require an international search (*specify*):

- the description, claims or drawings (*indicate particular elements below*) or said claims Nos. _____ are so unclear that no meaningful opinion could be formed (*specify*):

- the claims, or said claims Nos. _____ are so inadequately supported by the description that no meaningful opinion could be formed (*specify*):

- no international search report has been established for said claims Nos. _____

- a meaningful opinion could not be formed without the sequence listing; the applicant did not, within the prescribed time limit:

- furnish a sequence listing in the form of an Annex C/ST.25 text file, and such listing was not available to the International Searching Authority in the form and manner acceptable to it; or the sequence listing furnished did not comply with the standard provided for in Annex C of the Administrative Instructions.

- furnish a sequence listing on paper or in the form of an image file complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in the form and manner acceptable to it; or the sequence listing furnished did not comply with the standard provided for in Annex C of the Administrative Instructions.

- pay the required late furnishing fee for the furnishing of a sequence listing in response to an invitation under Rule 13ter.1(a) or (b).

- See Supplemental Box for further details.

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

Box No. IV Lack of unity of invention

1. In response to the invitation (Form PCT/ISA/206) to pay additional fees the applicant has, within the applicable time limit:
- paid additional fees.
 - paid additional fees under protest and, where applicable, the protest fee.
 - paid additional fees under protest but the applicable protest fee was not paid.
 - not paid additional fees.
2. This Authority found that the requirement of unity of invention is not complied with and chose not to invite the applicant to pay additional fees.
3. This Authority considers that the requirement of unity of invention in accordance with Rule 13.1, 13.2 and 13.3 is
- complied with.
 - not complied with for the following reasons:
4. Consequently, this opinion has been established in respect of the following parts of the international application:
- all parts.
 - the parts relating to claims Nos. _____

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	_____	YES
	Claims	_____	NO
Inventive step (IS)	Claims	_____	YES
	Claims	_____	NO
Industrial applicability (IA)	Claims	_____	YES
	Claims	_____	NO

2. Citations and explanations:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

Box No. VI Certain documents cited

1. Certain published documents (Rules 43*bis*.1 and 70.10)

Application No. Patent No.	Publication date (<i>day/month/year</i>)	Filing date (<i>day/month/year</i>)	Priority date (valid claim) (<i>day/month/year</i>)
_____	_____	_____	_____

2. Non-written disclosures (Rules 43*bis*.1 and 70.9)

Kind of non-written disclosure	Date of non-written disclosure (<i>day/month/year</i>)	Date of written disclosure referring to non-written disclosure (<i>day/month/year</i>)
_____	_____	_____

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

Box No. VII Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.
Continuation of:

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference		FOR FURTHER ACTION See item 4 below	
International application No.	International filing date (<i>day/month/year</i>)	Priority date (<i>day/month/year</i>)	
International Patent Classification (IPC) or national classification and IPC			
Applicant			

<p>1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44bis.1(a).</p> <p>2. This REPORT consists of a total of _____ sheets, including this cover sheet. In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.</p> <p>3. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the report</p> <p><input type="checkbox"/> Box No. II Priority</p> <p><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p><input type="checkbox"/> Box No. IV Lack of unity of invention</p> <p><input type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statement</p> <p><input type="checkbox"/> Box No. VI Certain documents cited</p> <p><input type="checkbox"/> Box No. VII Certain defects in the international application</p> <p><input type="checkbox"/> Box No. VIII Certain observations on the international application</p> <p>4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).</p>

	Date of issuance of this report
<p>The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland</p> <p>Facsimile No. +41 22 338 82 70</p>	<p>Authorized officer</p> <p>Telephone No. +41 22 338 XX XX</p>

Part VI:
Form concerning Request for
Supplementary International Search

■ IB/375 (January 2019)

The supplementary search request must be filed directly with the International Bureau. The full name or two-letter code of the Authority specified for supplementary search must be indicated by the applicant below:

AUTHORITY/_____

PCT

SUPPLEMENTARY SEARCH REQUEST

Under Rule 45bis.1, the undersigned requests that a supplementary international search be carried out in respect of the international application specified below:

For International Bureau use only	
Identification of Authority	Date of receipt of Request
Box No. I IDENTIFICATION OF THE INTERNATIONAL APPLICATION	
Applicant's or agent's file reference	International application No.
International filing date (<i>day/month/year</i>)	(Earliest) Priority date (<i>day/month/year</i>)
Title of invention	
Box No. II APPLICANT	
Name and address: (<i>Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.</i>)	Telephone No.
	Facsimile No.
	Applicant's registration No. with the Office
<p>E-mail authorization: Marking one of the check-boxes below authorizes the International Bureau and the Authority specified for supplementary search to use the e-mail address indicated in this Box to send notifications issued in respect of this international application if those offices are willing to do so.</p> <p><input type="checkbox"/> as advance copies followed by paper notifications; or <input type="checkbox"/> exclusively in electronic form (no paper notifications will be sent).</p> <p>E-mail address: _____</p>	
State (<i>that is, country</i>) of nationality:	State (<i>that is, country</i>) of residence:
Box No. III AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE	
<p>The following person is <input type="checkbox"/> agent <input type="checkbox"/> common representative</p> <p>and <input type="checkbox"/> has been appointed earlier and represents the applicant(s) also for the supplementary international search.</p> <p><input type="checkbox"/> is hereby appointed and any earlier appointment of (an) agent(s)/common representative is hereby revoked.</p> <p><input type="checkbox"/> is hereby appointed, specifically for the procedure before this Authority specified for supplementary search, in addition to the agent(s)/common representative appointed earlier.</p>	
Name and address: (<i>Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.</i>)	Telephone No.
	Facsimile No.
	Agent's registration No. with the Office
<p>E-mail authorization: Marking one of the check-boxes below authorizes the International Bureau and the Authority specified for supplementary search to use the e-mail address indicated in this Box to send notifications issued in respect of this international application if those offices are willing to do so.</p> <p><input type="checkbox"/> as advance copies followed by paper notifications; or <input type="checkbox"/> exclusively in electronic form (no paper notifications will be sent).</p> <p>E-mail address: _____</p>	

Continuation of Box No. III ADDRESS FOR CORRESPONDENCE

Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Box No. IV BASIS FOR SUPPLEMENTARY INTERNATIONAL SEARCH

Language for the purposes of supplementary international search: _____

- which is the language in which the international application was filed
- which is the language of translation furnished for the purposes of international search
- which is the language of translation furnished for the purposes of international publication
- which is the language of the translation to be furnished for the purposes of supplementary international search

Following the finding by the International Searching Authority that the international application does not comply with the requirements of unity of invention, the applicant wishes to limit the supplementary international search to one of the inventions as identified by the International Searching Authority other than the main invention referred to in Article 17(3)(a). The numbers of the claims relating to this invention are:

Box No. V CHECK LIST

The supplementary search request is accompanied by the item(s) marked below:

1. translation of the international application for the purposes of the supplementary international search (Rule 45bis.1(c)(i))
2. fee calculation sheet
3. original separate power of attorney
4. original general power of attorney
5. copy of general power of attorney; reference number, if any:
6. sequence listing in the form of an Annex C/ST.25 text file (Rule 45bis.1(c)(ii))
7. statement confirming that the copy of the sequence listing in the form of an Annex C/ST.25 text file (see above) is identical to the sequence listing forming part of the international application as filed
8. other (*specify*):

For International Bureau use only

received not received

- | | |
|--------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> |

Box No. VI SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading this request).

For International Bureau use only

1. Date of actual receipt of REQUEST:
2. The date of receipt is AFTER the expiration of 22 months from the priority date and items 3 and 4, below, do not apply.
3. The date of receipt of the request is WITHIN the time limit of 22 months from the priority date as extended by virtue of Rule 80.5.
4. Although the date of receipt of the request is after the expiration of 22 months from the priority date, the delay in arrival is EXCUSED pursuant to Rules 82 or 82quater.

NOTES TO THE SUPPLEMENTARY SEARCH REQUEST FORM (PCT/IB/375)

These notes are intended to facilitate the filing of the supplementary search request form and to give some information concerning the supplementary international search. For more detailed information, see the *PCT Applicant's Guide*, a WIPO publication, which is available, together with other PCT related documents, on WIPO's website: www.wipo.int/pct/en/. The Notes are based on the requirements of the PCT, the Regulations and the Administrative Instructions under the PCT. In case of any discrepancy between these Notes and those requirements, the latter are applicable.

In the supplementary search request form and these Notes, "Article", "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the Administrative Instructions, respectively.

The supplementary search request form shall be typed or printed; check-boxes may be marked by hand with dark ink (Rules 11.9(a) and (b) and 11.14).

The supplementary search request form and these Notes may be downloaded from WIPO's website at the address given above.

IMPORTANT GENERAL INFORMATION

Which International Searching Authority can be selected to carry out a supplementary international search? Only an International Searching Authority which has stated its preparedness to carry out supplementary international searches (Rule 45*bis*.1(e)), and which is not carrying out the international search under Article 16(1) ("main search"), can be selected (Rule 45*bis*.9(b)). Information about which Authorities are prepared to carry out such searches and about any possible limitations and conditions is provided in the *PCT Applicant's Guide*, Annex SISA.

If the applicant wishes more than one supplementary international search to be carried out (Rule 45*bis*.1(a)), a separate request form should be submitted for each supplementary search requested.

Where must the supplementary search request be filed? (Rule 45*bis*.1). A supplementary search request must be filed with the International Bureau and not with the Authority specified for supplementary search. The International Bureau transmits the request to the Authority selected by the applicant once the requirements under Rule 45*bis*.1(b), (c)(i), 45*bis*.2(c) and 45*bis*.3(c) have been complied with, but not before the date of receipt by the International Bureau of the international search report or the expiration of 17 months from the priority date, whichever occurs first.

The Authority specified for supplementary search chosen by the applicant should be identified, preferably by an indication of the name or two-letter code of the Authority, at the top of the first sheet of the supplementary search request in the space provided for that purpose.

When must the supplementary search request be filed? (Rule 45*bis*.1(a)). The supplementary search request must be filed with the International Bureau prior to the expiration of 22 months from the priority date.

In which language must the supplementary search request be filed? (Rule 92.2(d)). The supplementary search request must be filed in either English or French.

What is the language of correspondence? (Rule 92.2(d) and Section 104). Any letter from the applicant to the International Bureau must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

What must the supplementary search request be accompanied by? Where neither the language in which the international application was filed nor that in which a translation (if any) has been furnished under Rule 12.3 or 12.4 is accepted by the Authority specified for supplementary search, a translation of the international application into a language which is accepted by that Authority should be submitted together with the request.

If applicable, a copy of a sequence listing in electronic form complying with the standard provided for in the Administrative Instructions, if required by the Authority specified for supplementary search, should preferably be submitted together with the request.

Box No. I

Applicant's or Agent's file reference: A file reference may be indicated, if desired. It should not exceed 25 characters. Characters in excess of 25 may be disregarded (Section 109).

Identification of the international application: The international application number must be indicated in Box No. I.

International filing date and (earliest) priority date (Section 110): Dates must be indicated by the Arabic number of the day, the name of the month and the Arabic number of the year – in that order; after, below or above such indication, the date should be repeated in parentheses, using two-digit Arabic numerals each for the number of the day and for the number of the month followed by the number of the year in four digits, in that order, and separated by periods, slants or hyphens, for example, "26 October 2018 (26.10.2018)", "26 October 2018 (26/10/2018)" or "26 October 2018 (26-10-2018)". Where the international application claims the priority of several earlier applications, the filing date of the earliest application whose priority is claimed must be indicated as the priority date.

Title of the invention: If a new title has been established by the International Searching Authority, that title must be indicated in Box No. I.

Box No. II

Applicant (Rule 45*bis*.1(b)(i)): The applicant, or, if there is more than one applicant, at least one of the applicants must be indicated in the supplementary search request. Mark in Box No. II of the supplementary search request the same indications that are in Boxes No. II and III of the PCT Request. The Notes to the PCT Request apply *mutatis mutandis*.

Applicant's registration number with the Office: Where the applicant is registered with the national or regional Office that is acting as the Authority specified for supplementary search, the supplementary search request may indicate the number or other indication under which the applicant is so registered.

Telephone, Facsimile Number and/or E-mail address should be indicated for the person named in Box No. II in order to allow rapid communication with the applicant (see Rule 4.4(c)). Any telephone or facsimile number should include the applicable country and area codes. A single e-mail address only should be indicated.

Unless one of the check-boxes is marked, any e-mail address supplied will be used only for the types of communication which might be made by telephone. If one of the check-boxes

is marked, the International Bureau and Authority specified for supplementary search may, if they wish to do so, send notifications in respect of the international application to the applicant, thus avoiding processing or postal delays. Note that not all Offices will send such notifications by e-mail (for details about each Office's procedure, see *PCT Applicant's Guide*, Annex B). If the first check-box is marked, any such e-mail notification will always be followed by the official notification on paper. Only that paper copy of the notification is considered the legal copy of the notification and only the date of mailing of that paper copy will commence any time limit within the meaning of Rule 80. If the second check-box is marked, the applicant requests the discontinuation of the sending of paper copies of notifications and acknowledges that the date of mailing indicated on the electronic copy will commence any time limit within the meaning of Rule 80.

Note that it is the applicant's responsibility to keep any e-mail address details up-to-date and to ensure that incoming e-mails are not blocked, for any reason, on the recipient's side. Changes to the e-mail address indicated should be requested to be recorded, preferably directly at the International Bureau, under Rule 92*bis*. Where the e-mail authorization is given both in respect of the applicant and in respect of an agent or common representative, the International Bureau and the Authority specified for supplementary search will send e-mail communications only to the appointed agent or common representative.

Box No. III

Agent or Common Representative (Rules 45*bis*.1(b)(i), 90.1 and 90.2): Mark the applicable check-boxes to indicate *first* whether the person named in this Box is agent or common representative, *then* whether that person *has been appointed earlier* (i.e., during the procedure under Chapter I), *or is appointed in the supplementary search request* and any earlier appointment of another person is revoked, *or is appointed specifically for the procedure before the Authority specified for supplementary search* (without revocation of any earlier appointment), in addition to the person(s) appointed earlier.

Where an additional person is appointed specifically for the procedure before the Authority specified for supplementary search, all notifications issued by that Authority will be addressed only to that additional person. A separate power of attorney must be filed with the Authority specified for supplementary search, the International Bureau or the receiving Office, if the person appointed at the time the supplementary search request is filed (i.e., was not appointed earlier) signs the supplementary search request on behalf of the applicant (Rule 90.4).

Agent's registration number with the Office: Where the agent is registered with the national or regional Office that is acting as Authority specified for supplementary search, the supplementary search request may indicate the number or other indication under which the agent is so registered.

E- mail address (see Notes to Box. No. II)

Address for correspondence Where an agent is appointed, any correspondence intended for the applicant will be sent to the address indicated for that agent (or for the first-mentioned agent, if more than one is appointed). Where one of two or more applicants is appointed as common representative, the address indicated for that applicant in Box No. III will be used. Where no agent or common representative is appointed, any correspondence will be sent to the address, indicated in Box No. II, of the applicant. However, if the applicant wishes correspondence to be sent to a different address in such a case, that address may be indicated in Box No. III instead of the designation of an agent or common representative. In this case, and only in this case, the last check-box of Box No. III must be marked (that is, the last check-box must not be marked if either of the check-boxes "agent" or "common representative" in Box No. III has been marked).

Box No. IV

Language for the supplementary international search: The language for the purposes of supplementary international search should be indicated in Box No. IV and it should be specified whether that language is that of the international application as filed, the language of the translation furnished for the purposes of international search (Rule 12.3), the language of the translation furnished for the purposes of publication of the international application (Rule 12.4) and/or the language of the translation to be furnished for the purposes of supplementary international search.

Where neither the language in which the international application was filed nor that in which a translation (if any) has been furnished under Rule 12.3 or 12.4 is accepted by the Authority specified for supplementary search, a translation of the international application into a language which is accepted by that Authority must be furnished with the supplementary search request.

Limitation of the supplementary international search to certain claims: The check-box should be marked where the International Searching Authority has found that the international application does not comply with the requirement of unity of invention and the applicant wishes to limit the supplementary international search to one of the inventions as identified by the International Searching Authority other than the main invention referred to in Article 17(3)(a). The claims relating to the invention selected and, where applicable, the number of the invention as identified by the International Searching Authority, should be indicated in the space provided. Note that where the international search report is available to the Authority specified for supplementary search before it starts the search, the Authority may exclude from the supplementary search any claims which were not the subject of the international search (Rule 45*bis*.5(d)).

Box No. V

Check list: It is recommended that this Box be filled in carefully in order for the Authority specified for supplementary search to determine, as soon as possible, whether it is in possession of the documents on the basis of which the applicant wishes supplementary international search to start. Where a translation of the international application must be furnished for the purposes of supplementary international search (Rule 45*bis*.1(c)(i)), check-Box No. I should be marked.

Where the international application contains disclosure of one or more nucleotide and/or amino acid sequences, and a copy of the sequence listing in the form of an Annex C/ST.25 text file is required by the Authority specified for supplementary search, the applicant should preferably furnish the listing in that form to the International Bureau with the supplementary search request (Rule 45*bis*.1(c)(ii)). If this is the case, check-box No.6 should be marked.

Box No. VI

Signature of applicant, agent or common representative (Rules 90 and 92.1): The supplementary search request must be signed by one of the applicants, the agent or the common representative.

Important: Should a notice of withdrawal of the supplementary search request be filed, that notice will have to be signed by the applicant or, if there are two or more applicants by all of them (Rule 90*bis*.5), or by an agent or a common representative whose appointment has been effected by each applicant signing, at his choice, the request, the request for supplementary search, the demand, a separate power of attorney (Rule 90.4(a)) or a general power of attorney (Rule 90.5(a)).

PCT

FEE CALCULATION SHEET

Annex to the supplementary search request

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="height: 30px;">AUTHORITY</td> </tr> <tr> <td style="height: 30px;">International Application No.</td> </tr> <tr> <td style="height: 30px;">Applicant's or agent's file reference</td> </tr> </table>	AUTHORITY	International Application No.	Applicant's or agent's file reference	<p style="text-align: center;">For International Bureau use only</p> <div style="border: 1px solid black; height: 100px; width: 100%;"></div> <p style="text-align: center;">Date stamp of the International Bureau</p>								
AUTHORITY												
International Application No.												
Applicant's or agent's file reference												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="height: 30px;">Applicant</td> </tr> </table>	Applicant	<div style="border: 1px solid black; height: 100%; width: 100%;"></div>										
Applicant												
<p>CALCULATION OF PRESCRIBED FEES</p> <p><i>(Applicants may be entitled to a reduction of the supplementary search fee and the supplementary search handling fee as indicated in the PCT Fee Tables (www.wipo.int/pct/en/fees.pdf))</i></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">1. SUPPLEMENTARY SEARCH FEE</td> <td style="width: 10%; border: 1px solid black; text-align: center;">SS</td> <td style="width: 10%; border-bottom: 1px solid black;"></td> </tr> <tr> <td>2. SUPPLEMENTARY SEARCH HANDLING FEE ...</td> <td style="border: 1px solid black; text-align: center;">SH</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td>3. TOTAL OF PRESCRIBED FEES</td> <td style="border: 1px solid black; text-align: center;">0.00</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td></td> <td style="border: 1px solid black; text-align: center;">TOTAL</td> <td style="border-bottom: 1px solid black;"></td> </tr> </table>	1. SUPPLEMENTARY SEARCH FEE		SS		2. SUPPLEMENTARY SEARCH HANDLING FEE ...	SH		3. TOTAL OF PRESCRIBED FEES	0.00			TOTAL
1. SUPPLEMENTARY SEARCH FEE	SS											
2. SUPPLEMENTARY SEARCH HANDLING FEE ...	SH											
3. TOTAL OF PRESCRIBED FEES	0.00											
	TOTAL											
<p>MODE OF PAYMENT</p> <p><input type="checkbox"/> credit card <i>(details should not be included on this sheet)</i> e-mail address for E-payment: _____ <i>(Leave blank if address is same as that indicated in Box No. II or III)</i></p> <p><input type="checkbox"/> authorization to charge deposit or current account with the International Bureau (see below)</p> <p><input type="checkbox"/> bank transfer</p> <p><input type="checkbox"/> postal money order</p> <p><input type="checkbox"/> check</p>												
<p>AUTHORIZATION TO CHARGE (OR CREDIT) DEPOSIT OR CURRENT ACCOUNT WITH INTERNATIONAL BUREAU</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Authorization to charge the total fees indicated above. <input type="checkbox"/> Authorization to charge any deficiency or credit any overpayment in the total fees indicated above. </td> <td style="width: 50%; vertical-align: top;"> Deposit or Current Account No.: _____ Date: _____ Name: _____ Signature: _____ </td> </tr> </table>		<input type="checkbox"/> Authorization to charge the total fees indicated above. <input type="checkbox"/> Authorization to charge any deficiency or credit any overpayment in the total fees indicated above.	Deposit or Current Account No.: _____ Date: _____ Name: _____ Signature: _____									
<input type="checkbox"/> Authorization to charge the total fees indicated above. <input type="checkbox"/> Authorization to charge any deficiency or credit any overpayment in the total fees indicated above.	Deposit or Current Account No.: _____ Date: _____ Name: _____ Signature: _____											

**NOTES TO THE FEE CALCULATION SHEET
(ANNEX TO FORM PCT/IB/375)**

The purpose of the fee calculation sheet is to help the applicant to identify the prescribed fees and to calculate the amounts to be paid. It is strongly recommended that the applicant complete, by entering the appropriate amounts in the boxes provided, and submit the fee calculation sheet at the time of filing of the supplementary search request. This will help the International Bureau to verify the calculations and to identify any error in them.

CALCULATION OF PRESCRIBED FEES

Two fees must be paid for supplementary international search:

- (i) the supplementary search fee for the benefit of the Authority specified for supplementary search (Rule 45*bis*.3);
- (ii) the supplementary search handling fee for the benefit of the International Bureau (Rule 45*bis*.2).

Both fees must be paid to the International Bureau within one month from the date on which the request for supplementary search was received. Payments of the fees can only be accepted in Swiss francs. The amount payable shall be the amount applicable on the date of payment.

Information as to the amount of those fees can be obtained from the International Bureau. This information is also published in the *PCT Applicant's Guide*, Annex SISA, the *PCT Newsletter* and in *Official Notices (PCT Gazette)*.

Box SS: The amount of the supplementary search fee must be entered in Box SS.

Box SH: The amount of the supplementary search handling fee must be entered in Box SH.

Reductions: Some Offices have different supplementary search fees, depending upon the documentation to be searched, which are indicated in the PCT Fee Tables (www.wipo.int/pct/en/fees.pdf) and the relevant Annex SISA of the *PCT Applicant's Guide*. If reduced fees apply, the reduced amount should be indicated in the fee calculation sheet. Applicants may also be entitled to a reduction to the supplementary search handling fee, which is explained further below.

Reduction of the supplementary search handling fee for applicants from certain States: An applicant who is a natural person and who is a national of and resides in a State that is listed as being a State whose per capita gross domestic product is below US\$25,000 (according to the most recent ten year average per capita gross domestic product figures at constant 2005 US\$ values published by the United Nations), and whose nationals and residents who are natural persons have filed less than 10 international applications per year (per million population) or less than 50 international applications per year (in absolute numbers) according to the most recent 5-year average yearly filing figures published by the International Bureau; or an applicant, whether a natural person or not, who is a national of and resides in a State that is listed as being classified by the United Nations as a least developed country, is entitled, in accordance with the Schedule of Fees, to a reduction of 90% of certain PCT fees including the supplementary search handling fee. The applicant is only entitled to the reduction of the supplementary search handling fee if, at the time of filing of the supplementary search request, the applicant is or all applicants are the true and only owner(s) of the application and under no obligation to assign, grant, convey or license the rights in the invention to another party which is not eligible for the fee reduction. If there are several

applicants, each must satisfy the above-mentioned criteria. If the applicant is or all applicants are entitled to the reduction of the supplementary search handling fee, this reduction applies on the basis of the indications of name, nationality and residence given in Box No. II of the supplementary search request, without the need for a specific request to be made.

The fee reduction will be available even if one or more of the applicants are not from PCT Contracting States, provided that each of them is a national and resident of a State that meets the above-mentioned requirements and that at least one of the applicants is a national or resident of a PCT Contracting State and thus is entitled to file an international application.

Information about PCT Contracting States whose nationals and residents are entitled to a reduction of 90% of certain PCT fees, including the supplementary search handling fee, is contained in the *PCT Applicant's Guide*, Annex C and on the WIPO website (see www.wipo.int/pct/en/), and is also published in the *Official Notices (PCT Gazette)* and the *PCT Newsletter*.

Calculation of the supplementary search handling fee in case of fee reduction: Where the applicant is (or all applicants are) entitled to a reduction of the supplementary search handling fee, the total to be entered in Box SH is 10% of the supplementary search handling fee.

Total Box (item 3): the total of the amounts inserted in Boxes SS and SH is the amount which must be paid to the International Bureau.

MODE OF PAYMENT

In order to help the International Bureau identify the mode of payment of the prescribed fees, it is recommended to mark the applicable check-box(es). Credit card details should not be furnished with the request for supplementary search. Applicants who choose credit card payment will be sent an e-mail with a unique link to our secure E-payment system. Where an e-mail address has been indicated, in Box No. II or III, this address will be used. If no e-mail address has been indicated or the applicant wishes to use an alternative e-mail address for the purposes of E-payment, this should be indicated here.

**AUTHORIZATION TO CHARGE (OR CREDIT)
CURRENT ACCOUNT**

This mode of payment is only available if a current account has been opened with the International Bureau. Information on how to open such an account with the International Bureau can be found on WIPO's website: www.wipo.int/pct/en/filing/account.htm. Any current account with the receiving Office cannot be charged for the purpose of paying the supplementary search fee and the supplementary search handling fees due to the International Bureau.

The International Bureau will not charge fees to current accounts unless the current account authorization is signed and indicates the current account number.

Part VII: Form concerning IPRP Chapter II

■ IPEA/409 (January 2019)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference		FOR FURTHER ACTION See Form PCT/IPEA/416	
International application No.	International filing date (<i>day/month/year</i>)	Priority date (<i>day/month/year</i>)	
International Patent Classification (IPC) or national classification and IPC			
Applicant			

<p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of _____ sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input type="checkbox"/> (<i>sent to the applicant and to the International Bureau</i>) a total of _____ sheets, as follows:</p> <p style="padding-left: 20px;"><input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and/or sheets containing rectifications authorized by this Authority, unless those sheets were superseded or cancelled, and any accompanying letters (see Rules 46.5, 66.8, 70.16, 91.2, and Section 607 of the Administrative Instructions).</p> <p style="padding-left: 20px;"><input type="checkbox"/> sheets containing rectifications, where the decision was made by this Authority not to take them into account because they were not authorized by or notified to this Authority at the time when this Authority began to draw up this report, and any accompanying letters (Rules 66.4<i>bis</i>, 70.2(e), 70.16 and 91.2).</p> <p style="padding-left: 20px;"><input type="checkbox"/> superseded sheets and any accompanying letters, where this Authority either considers that the superseding sheets contain an amendment that goes beyond the disclosure in the international application as filed, or the superseding sheets were not accompanied by a letter indicating the basis for the amendments in the application as filed, as indicated in item 4 of Box No. I and the Supplemental Box (see Rule 70.16(b)).</p> <p>b. <input type="checkbox"/> (<i>sent to the International Bureau only</i>) a total of (indicate type and number of electronic carrier(s)) _____ containing a sequence listing, in the form of an Annex C/ST.25 text file, as indicated in the Supplemental Box Relating to Sequence Listing (see paragraph 3<i>ter</i> of Annex C of the Administrative Instructions).</p>	
<p>4. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the report</p> <p><input type="checkbox"/> Box No. II Priority</p> <p><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p><input type="checkbox"/> Box No. IV Lack of unity of invention</p> <p><input type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statement</p> <p><input type="checkbox"/> Box No. VI Certain documents cited</p> <p><input type="checkbox"/> Box No. VII Certain defects in the international application</p> <p><input type="checkbox"/> Box No. VIII Certain observations on the international application</p>	

Date of submission of the demand	Date of completion of this report
Name and mailing address of the IPEA/ Facsimile No.	Authorized officer Telephone No.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

Box No. I Basis of the report

1. With regard to the **language**, this report is based on:

- the international application in the language in which it was filed.
- a translation of the international application into _____ which is the language of a translation furnished for the purposes of:
- international search (Rules 12.3(a) and 23.1(b)).
- publication of the international application (Rule 12.4(a)).
- international preliminary examination (Rules 55.2(a) and/or 55.3(a) and (b)).

2. With regard to the **elements** of the international application, this report is based on (*replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report*):

- the international application as originally filed/furnished, or
- the description: pages _____ as originally filed/furnished.
pages* _____ received by this Authority on _____
pages* _____ received by this Authority on _____
- the claims: Nos. _____ as originally filed/furnished.
Nos.* _____ as amended (together with any statement) under Article 19
Nos.* _____ received by this Authority on _____
- the drawings: pages _____ as originally filed/furnished.
pages* _____ received by this Authority on _____
pages* _____ received by this Authority on _____
- a sequence listing - see Supplemental Box Relating to Sequence Listing.

3. The amendments have resulted in the cancellation of:

- the description, pages _____
- the claims, Nos. _____
- the drawings, sheets/figs _____
- the sequence listing (*specify*): _____

4. This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since either they are considered to go beyond the disclosure as filed, or they were not accompanied by a letter indicating the basis for the amendments in the application as filed, as indicated in the Supplemental Box (Rules 70.2(c) and (c-bis)):

- the description, pages _____
- the claims, Nos. _____
- the drawings, sheets/figs _____
- the sequence listing (*specify*): _____

5. This report has been established:

- taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rules 66.1(d-bis) and 70.2(e)).
- without taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rules 66.4bis and 70.2(e)).

6. With regard to top-up searches (Rules 66.1ter and 70.2(f)):

- A top-up search was carried out by this Authority on _____
- Additional relevant documents have been discovered during the top-up search.
- No top-up search was carried out by this Authority because it would serve no useful purpose.

7. Supplementary international search report(s) from Authority(ies) _____ has/have been received and taken into account in establishing this report (Rule 45bis.8(b) and (c)).

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

Box No. II **Priority**

1. This report has been established as if no priority had been claimed due to the failure to furnish within the prescribed time limit the requested:
 - copy of the earlier application whose priority has been claimed (Rule 66.7(a)).
 - translation of the earlier application whose priority has been claimed (Rule 66.7(b)).
2. This report has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rule 64.1). Thus for the purposes of this report, the international filing date indicated above is considered to be the relevant date.
3. Additional observations, if necessary:

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:

- the entire international application.
- claims Nos. _____

because:

- the said international application, or the said claims Nos. _____ relate to the following subject matter which does not require an international preliminary examination (*specify*):

- the description, claims or drawings (*indicate particular elements below*) or said claims Nos. _____ are so unclear that no meaningful opinion could be formed (*specify*):

- the claims, or said claims Nos. _____ are so inadequately supported by the description that no meaningful opinion could be formed (*specify*):

- no international search report has been established for said claims Nos. _____

- a meaningful opinion could not be formed without the sequence listing; the applicant did not, within the prescribed time limit:

- furnish a sequence listing in the form of an Annex C/ST.25 text file, and such listing was not available to the International Preliminary Examining Authority in the form and manner acceptable to it; or the sequence listing furnished did not comply with the standard provided for in Annex C of the Administrative Instructions.

- furnish a sequence listing on paper or in the form of an image file complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Preliminary Examining Authority in the form and manner acceptable to it; or the sequence listing furnished did not comply with the standard provided for in Annex C of the Administrative Instructions.

- pay the required late furnishing fee for the furnishing of a sequence listing in response to an invitation under Rules 13ter.1(a) or (b) and 13ter.2.

- See Supplemental Box for further details.

Box No. IV Lack of unity of invention

1. In response to the invitation to restrict or pay additional fees the applicant has, within the applicable time limit:
- restricted the claims.
 - paid additional fees.
 - paid additional fees under protest and, where applicable, the protest fee.
 - paid additional fees under protest but the applicable protest fee was not paid.
 - neither restricted the claims nor paid additional fees.
2. This Authority found that the requirement of unity of invention is not complied with and chose, according to Rule 68.1, not to invite the applicant to restrict or pay additional fees.
3. This Authority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is:
- complied with.
 - not complied with for the following reasons:
4. Consequently, this report has been established in respect of the following parts of the international application:
- all parts.
 - the parts relating to claims Nos. _____

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	_____	YES
	Claims	_____	NO
Inventive step (IS)	Claims	_____	YES
	Claims	_____	NO
Industrial applicability (IA)	Claims	_____	YES
	Claims	_____	NO

2. Citations and explanations (Rule 70.7)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

Box No. VI Certain documents cited

1. Certain published documents (Rule 70.10)

Application No. Patent No.	Publication date (<i>day/month/year</i>)	Filing date (<i>day/month/year</i>)	Priority date (valid claim) (<i>day/month/year</i>)
_____	_____	_____	_____

2. Non-written disclosures (Rule 70.9)

Kind of non-written disclosure	Date of non-written disclosure (<i>day/month/year</i>)	Date of written disclosure referring to non-written disclosure (<i>day/month/year</i>)
_____	_____	_____

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

Box No. VII Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

Supplemental Box Relating to Sequence Listing**Continuation of Box No. 1, item 2:**

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this report was established on the basis of a sequence listing:

- a. forming part of the international application as filed:
 in the form of an Annex C/ST.25 text file.
 on paper or in the form of an image file.
- b. furnished together with the international application under PCT Rule 13ter.1(a) for the purposes of international search only in the form of an Annex C/ST.25 text file.
- c. furnished subsequent to the international filing date for the purposes of international search and/or examination:
 in the form of an Annex C/ST.25 text file (Rule 13ter.1(a)).
 on paper or in the form of an image file (Rule 13ter.1(b) and Administrative Instructions, Section 713).
- d. furnished to this Authority as an amendment* under PCT Article 34 on _____ :
 in the form of an Annex C/ST.25 text file, and preferably identified as "Amended" at the first line of text.
 on paper or in the form of an image file.

2. In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that forming part of the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

3. Additional comments:

* If item 4 in Box No. 1 applies, the sequence listing, which forms part of the basis of the report, may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

Supplemental Box

In case **the space in any of the preceding boxes is not sufficient.**
Continuation of:

Part VIII: Form concerning Withdrawals

■ IB/372 (July 2017)

PATENT COOPERATION TREATY

PCT

NOTICE OF WITHDRAWAL

(PCT Rules 90bis.1, 90bis.2,
90bis.3, 90bis.3bis and 90bis.4)

To:

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20
Switzerland

Preferably through ePCT
or by facsimile: +41 22 338 82 70

Applicant's or agent's file reference	
International application No.	International filing date (day/month/year)
Applicant	Priority date (day/month/year)

The applicant hereby **withdraws**:

- the **international application** identified above (Rule 90bis.1) (*where the international application is withdrawn, the international processing of the international application will be discontinued (Rule 90bis.6(b))*):
- the withdrawal is made conditional on it being received by the International Bureau in time to prevent international publication
- the **designations** specified below (Rule 90bis.2) (*withdrawal of **all** designated States will be treated as withdrawal of the international application under Rule 90bis.1. In such a case, the check-box "the international application" should preferably be marked instead*):
- the following designation(s):
- all designations except:
- the **priority claim(s)** specified below (Rule 90bis.3) (*if multiple priorities have been claimed, this notice relates to the following priority claim(s) (withdrawal of the earliest priority claim will result in the re-calculation of time limits which have not already expired (Rule 90bis.3(d)))*):
- the withdrawal is made conditional on it being received by the International Bureau in time to prevent international publication
- the **demand** (Rule 90bis.4) (*where the demand is withdrawn, the processing of the international application by the International Preliminary Examining Authority will be discontinued (Rule 90bis.6(c))*)
- the **election(s)** specified below (Rule 90bis.4) (*where **all** elections are withdrawn, the processing of the international application by the International Preliminary Examining Authority will be discontinued (Rule 90bis.6(c)). In such a case, the check-box "the demand" should preferably be marked instead*):
- the **supplementary search request** (Rule 90bis.3bis) (*where the supplementary search request is withdrawn, the processing of the international application by the Authority(ies) specified for supplementary search will be discontinued (Rule 90bis.6(b-bis))*)
_____ (*indicate the Authority specified for supplementary search*)

ATTENTION Under Rule 90bis.6(a), withdrawal of the international application, of any designation, of any priority claim, of the demand or of any election under Rule 90bis will have no effect in any designated or elected Office where the processing or examination of the international application has already started under Article 23(2) or 40(2).

Signature of applicant(s), agent or common representative (*in order for the withdrawal to be effective, the notice of withdrawal must be signed by (all) the applicant(s), their appointed agent or appointed common representative. Where one of the applicants is considered to be the common representative under Rule 90.2(b), all applicants must sign (see Rule 90bis.5).*)

Date:

Part IX: Forms concerning the International Bureau

- RO/198 (July 2017)
- IB/301 (July 2010)
- IB/308 (January 2019)
- IB/306 (January 2009)

PATENT COOPERATION TREATY

PCT

LIST OF DOCUMENTS FILED WITH THE
INTERNATIONAL BUREAU
AS RECEIVING OFFICE

To:

The International Bureau of WIPO
PCT Receiving Office Section
34, chemin des Colombettes
1211 Geneva 20
Switzerland

Facsimile No. +41 22 910 06 10

Applicant's or agent's file reference		
International application No. (if known)	International filing date (day/month/year) (if known)	(Earliest) Priority date (day/month/year)
Applicant		
Title of invention		

The applicant hereby requests the International Bureau to acknowledge to the following person (include full name, address, facsimile No. and telephone No.):

the receipt by the following means:

mail (surface, air mail, registered) delivery service facsimile transmission hand delivery online

of the documents/elements listed below:

- PCT request (including declaration sheets) (pages)
- description (excluding sequence listing and/or tables relating thereto) (pages)
- claims (pages)
- abstract (pages)
- drawings (pages)
- sequence listing and/or tables relating thereto (pages)
- fee calculation sheet
- separate authorization to charge deposit account
- power of attorney (general power, copy of general power, separate power) (indicate kind and number)
- priority document (if more than one, indicate number)
- separate indications concerning deposited microorganism or other biological material (pages)
- sequence listing and/or tables relating thereto in electronic form (indicate type and number of carriers)
- statement accompanying sequence listing and/or tables relating thereto in electronic form (if more than one, indicate number)
- accompanying letter
- other (specify):

PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCTNOTIFICATION OF RECEIPT OF
RECORD COPY

(PCT Rule 24.2(a))

To:

Date of mailing (day/month/year)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference	International application No.

The applicant is hereby **notified** that the International Bureau has received the record copy of the international application as detailed below.

Name(s) of the applicant(s) and State(s) for which they are applicants:

International filing date:

Priority date(s) claimed:

Date of receipt of the record copy
by the International Bureau:

List of designated Offices:

ATTENTION: The applicant should carefully check the data appearing in this Notification. In case of any discrepancy between these data and the indications in the international application, the applicant should immediately inform the International Bureau. **In addition, the applicant's attention is drawn to:**

- time limits for entry into the national phase (see www.wipo.int/pct/en/texts/time_limits.html and *PCT Applicant's Guide*, National Phase, especially Chapters 3 and 4)
- requirements regarding priority documents (if applicable) (see *PCT Applicant's Guide*, International Phase, paragraph 5.070)

A copy of this Notification is being sent to the receiving Office and to the International Searching Authority.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. +41 22 338 82 70	Authorized officer Telephone No. +41 22 338 XX XX
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PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCT

FIRST NOTICE INFORMING THE APPLICANT OF
THE COMMUNICATION OF THE INTERNATIONAL
APPLICATION (TO DESIGNATED OFFICES WHICH
DO NOT APPLY THE 30 MONTH TIME LIMIT
UNDER ARTICLE 22(1))

(PCT Rule 47.1(c))

To:

Date of mailing (day/month/year)		IMPORTANT NOTICE	
Applicant's or agent's file reference			
International application No.	International filing date (day/month/year)	Priority date (day/month/year)	
Applicant			

- ATTENTION:** For any designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002 (30 months from the priority date), **does apply**, please see Form PCT/IB/308(Second and Supplementary Notice) (to be issued promptly after the expiration of 28 months from the priority date).
- Notice is hereby given that the following designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002, **does not apply**, has/have requested that the communication of the international application, as provided for in Article 20, be effected under Rule 93bis.1. The International Bureau has effected that communication on the date(s) indicated below:

In accordance with Rule 47.1(c-bis)(i), those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

- The following designated Offices, for which the time limit under Article 22(1), as in force from 1 April 2002, **does not apply**, have not requested, as at the time of mailing of the present notice, that the communication of the international application be effected under Rule 93bis.1:

In accordance with Rule 47.1(c-bis)(ii), those Offices accept the present notice as conclusive evidence that the Contracting State for which that Office acts as a designated Office does not require the furnishing, under Article 22, by the applicant of a copy of the international application.

4. TIME LIMITS for entry into the national phase

For the designated Office(s) listed above, and unless a demand for international preliminary examination has been filed before the expiration of **19 months** from the priority date (see Article 39(1)), the applicable time limit for entering the national phase will, **subject to what is said in the following paragraph**, be **20 MONTHS** from the priority date.

In practice, **time limits other than the 20-month time limit** will continue to apply, for various periods of time, in respect of certain of the designated Offices listed above. For **regular updates on the applicable time limits** (20 or 21 months, or other time limit), Office by Office, refer to the *PCT Gazette*, the *PCT Newsletter* and the *PCT Applicant's Guide*, National Chapters, all available from WIPO's Internet site, at www.wipo.int/pct/en/guide/index.html.

It is the applicant's **sole responsibility** to monitor all these time limits.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. +41 22 338 82 70	Authorized officer Telephone No. +41 22 338 XX XX
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PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCT

SECOND AND SUPPLEMENTARY NOTICE
INFORMING THE APPLICANT OF THE
COMMUNICATION OF THE INTERNATIONAL
APPLICATION (TO DESIGNATED OFFICES
WHICH APPLY THE 30 MONTH TIME
LIMIT UNDER ARTICLE 22(1))

(PCT Rule 47.1(c))

To:

Date of mailing (day/month/year)		IMPORTANT NOTICE	
Applicant's or agent's file reference			
International application No.	International filing date (day/month/year)	Priority date (day/month/year)	
Applicant			

- ATTENTION:** For any designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002 (30 months from the priority date), **does not apply**, please see Form PCT/IB/308(First Notice) issued previously.
- Notice is hereby given that the following designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002, **does apply**, has/have requested that the communication of the international application, as provided for in Article 20, be effected under Rule 93bis.1. The International Bureau has effected that communication on the date(s) indicated below:

In accordance with Rule 47.1(c-bis)(i), those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

- The following designated Offices, for which the time limit under Article 22(1), as in force from 1 April 2002, **does apply**, have not requested, as at the time of mailing of the present notice, that the communication of the international application be effected under Rule 93bis.1:

In accordance with Rule 47.1(c-bis)(ii), those Offices accept the present notice as conclusive evidence that the Contracting State for which that Office acts as a designated Office does not require the furnishing, under Article 22, by the applicant of a copy of the international application.

4. TIME LIMITS for entry into the national phase

For the designated or elected Office(s) listed above, the applicable time limit for entering the national phase will, **subject to what is said in the following paragraph**, be **30 MONTHS** from the priority date.

In practice, **time limits other than the 30-month time limit** will continue to apply, for various periods of time, in respect of certain of the designated or elected Office(s) listed above. For **regular updates on the applicable time limits** (30 or 31 months, or other time limit), Office by Office, refer to the *PCT Gazette*, the *PCT Newsletter* and the *PCT Applicant's Guide*, National Chapters, all available from WIPO's Internet site, at www.wipo.int/pct/en/guide/index.html.

It is the applicant's **sole responsibility** to monitor all these time limits.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. +41 22 338 82 70	Authorized officer Telephone No. +41 22 338 XX XX
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PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCTNOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92*bis*.1 and
Administrative Instructions, Section 422)

To:

Date of mailing (day/month/year)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference	
International application No.	International filing date (day/month/year)

1. The following indications appeared on record concerning:		
<input type="checkbox"/> the applicant	<input type="checkbox"/> the inventor	<input type="checkbox"/> the agent
		<input type="checkbox"/> the common representative
Name and Address	State of Nationality	State of Residence
	Telephone No.	
	Facsimile No.	
	E-mail address	
2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:		
<input type="checkbox"/> the person	<input type="checkbox"/> the name	<input type="checkbox"/> the address
		<input type="checkbox"/> the nationality
<input type="checkbox"/> the residence		
Name and Address	State of Nationality	State of Residence
	Telephone No.	
	Facsimile No.	
	E-mail address	
<input type="checkbox"/> Notifications by e-mail authorized		
3. Further observations, if necessary:		
4. A copy of this Notification has been sent to:		
<input type="checkbox"/> the receiving Office	<input type="checkbox"/> the designated Offices concerned	
<input type="checkbox"/> the International Searching Authority	<input type="checkbox"/> the elected Offices concerned	
<input type="checkbox"/> the Authority(ies) specified for supplementary search	<input type="checkbox"/> other:	
<input type="checkbox"/> the International Preliminary Examining Authority		

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer
Facsimile No. +41 22 338 82 70	Telephone No. +41 22 338 XX XX

Part X: Nucleotide and/or Amino Acid Sequence Listings

- ISA/225 (January 2015)
- RO/134 (January 2004)
- Excerpts from PCT Receiving Office Guidelines (PCT/GL/RO/18/)

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

PCT

INVITATION TO FURNISH NUCLEOTIDE AND/OR
AMINO ACID SEQUENCE LISTING AND TO PAY,
WHERE APPLICABLE, LATE FURNISHING FEE

(PCT Rule 13ter.1(a) to (d) and
Administrative Instructions, Section 208 and Annex C)

To:	
	Date of mailing (day/month/year)
Applicant's or agent's file reference	REPLY DUE within _____ months/days from the above date of mailing
International application No.	International filing date (day/month/year)
Applicant	

1. The applicant is hereby **invited**, within the time limit indicated above, to furnish to this Authority:

a nucleotide and/or amino acid sequence listing in the form of an **Annex C/ST.25 text file**, accompanied by a **statement** that the information recorded in the form of an Annex C/ST.25 text file is identical to that forming part of the international application as filed.

a **statement** confirming that the information recorded in the form of an Annex C/ST.25 text file submitted under Rule 13ter.1(a) is identical to that forming part of the international application as filed.

a nucleotide and/or amino acid sequence listing in the form of an **Annex C/ST.25 text file** (Rule 13ter.1(a)), accompanied by a **statement** to the effect that the sequence listing does not go beyond the disclosure in the international application as filed.

a nucleotide and/or amino acid sequence listing **on paper** or in the form of an **image file** complying with the standard provided for in Annex C of the Administrative Instructions (Rule 13ter.1(b)), accompanied by a **statement** to the effect that the sequence listing does not go beyond the disclosure in the international application as filed.

a **statement** to the effect that the sequence listing in the form of an Annex C/ST.25 text file, on paper or in the form of an image file, as the case may be, already furnished to this Authority, does not go beyond the disclosure in the international application as filed.

2. The applicant is hereby invited, within the time limit indicated above, to pay to this Authority:

a late furnishing fee in the amount of _____ (currency/amount)

3. **Failure to comply with this invitation** may result in this Authority only carrying out the international search to the extent that a meaningful search can be carried out without the sequence listing.

4. Further observations (if necessary):

Name and mailing address of the ISA/	Authorized officer
Facsimile No.	Telephone No.

Applicant's or agent's file reference	International application No.
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**INDICATIONS RELATING TO DEPOSITED MICROORGANISM
OR OTHER BIOLOGICAL MATERIAL**

(PCT Rule 13bis)

A. The indications made below relate to the deposited microorganism or other biological material referred to in the description on page _____, line _____.	
B. IDENTIFICATION OF DEPOSIT Further deposits are identified on an additional sheet <input type="checkbox"/>	
Name of depositary institution	
Address of depositary institution <i>(including postal code and country)</i>	
Date of deposit	Accession Number
C. ADDITIONAL INDICATIONS <i>(leave blank if not applicable)</i> This information is continued on an additional sheet <input type="checkbox"/>	
D. DESIGNATED STATES FOR WHICH INDICATIONS ARE MADE <i>(if the indications are not for all designated States)</i>	
E. SEPARATE FURNISHING OF INDICATIONS <i>(leave blank if not applicable)</i>	
The indications listed below will be submitted to the International Bureau later <i>(specify the general nature of the indications e.g., "Accession Number of Deposit")</i>	

For receiving Office use only
<input type="checkbox"/> This sheet was received with the international application
Authorized officer

For International Bureau use only
<input type="checkbox"/> This sheet was received by the International Bureau on:
Authorized officer

Excerpts from PCT/GL/RO/18
PCT Receiving Office Guidelines
(Guidelines for the processing by receiving Offices of international
applications under the Patent Cooperation Treaty)

as in force from January 1, 2019

Chapter X: References to Deposited Microorganisms or Other Biological Material

General

228. Where the international application relates to deposited microorganisms or other biological material, it is not the responsibility of the receiving Office to check whether indications containing references to such deposited microorganisms or other biological material must be made in the application itself or in relation to it. However, where such references have been furnished, the receiving Office checks them to the extent outlined below and, in certain cases, invites the applicant to correct them or draws the applicant's attention to certain circumstances.

References to Deposited Microorganisms or Other Biological Material as Part of the Description

229. The national law of certain States requires that references to deposited microorganisms or other biological material furnished under [Rule 13bis.3\(a\)](#) be included in the description ([PCT Applicant's Guide, Annex L](#)). Where indications are presented on a separate sheet such as Form [PCT/RO/134](#), the applicant should number that sheet as a sheet of the description (preferably at the end of the description within the second series referred to in [Section 207](#)). In such a case, the check-box in Box No. IX of the request referring to separate indications relating to deposited microorganisms or other biological material should not be marked. Where references to deposited microorganisms or other biological material are made on a separate sheet, that sheet shall preferably be furnished together with the request and referred to in the check list ([Section 209\(a\)](#)).

230. Where sheets containing references to deposited microorganisms or other biological material, as defined in [Rule 13bis](#), are filed on the same date as the international application but separately from the description, that is, not numbered as part of the international application (for example, on Form [PCT/RO/134](#)), the receiving Office may draw the applicant's attention to the fact that the national law of certain States requires that the indications concerned be included in the description.

231. If the applicant confirms that those sheets are intended to be part of the description they should be inserted at the end of the description and renumbered in accordance with [Section 207](#). The receiving Office may renumber those sheets ex officio or invite (Form [PCT/RO/106](#)) the applicant to correct the defect ([paragraphs 153 to 165](#)). The total number of pages indicated in the check list may need to be corrected and the payment of an additional fee for sheets in excess of 30 may be required ([paragraphs 235 to 273](#)). The receiving Office, where appropriate, draws the applicant's attention to such circumstance.

232. If, in any of the situations described above, the applicant does not respond to the receiving Office communication, the processing of the international application nevertheless continues and no further action on this matter is required from the receiving Office.

233. Any separate sheet containing references to deposited microorganisms or other biological material received by the receiving Office after transmittal of the record copy to the International Bureau must be promptly transmitted to that Bureau so that it reaches it preferably before the technical preparations for international publication have been completed ([Rule 13bis.4\(d\)](#)).

Requirements as to the Language of Sheets Containing References to Deposited Microorganisms or Other Biological Material

234. Sheets containing references to deposited microorganisms or other biological material must, if they are part of the description, be in the language of filing, or, where a translation of the international application is required under [Rules 12.3\(a\)](#) or [12.4\(a\)](#), both in the language of filing and the language of the translation. If the receiving Office notices that such sheets are not furnished also in the language of the translation, it promptly invites the applicant (Form [PCT/RO/150](#) or Form [PCT/RO/157](#)) to furnish the translation of such sheets.