



PCT – ePCT Environment

For applicants

Peter Waring

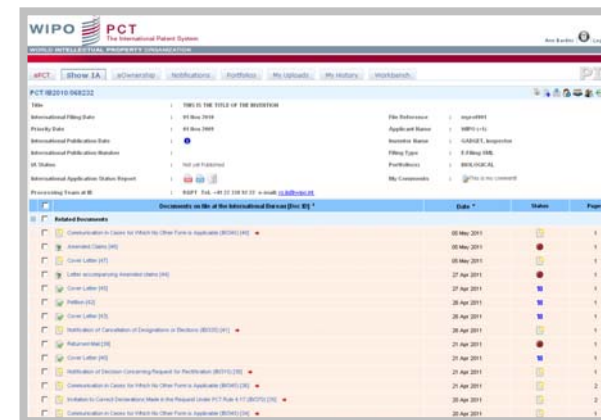
Head, PCT Technical Cooperation,
PCT International Cooperation Division

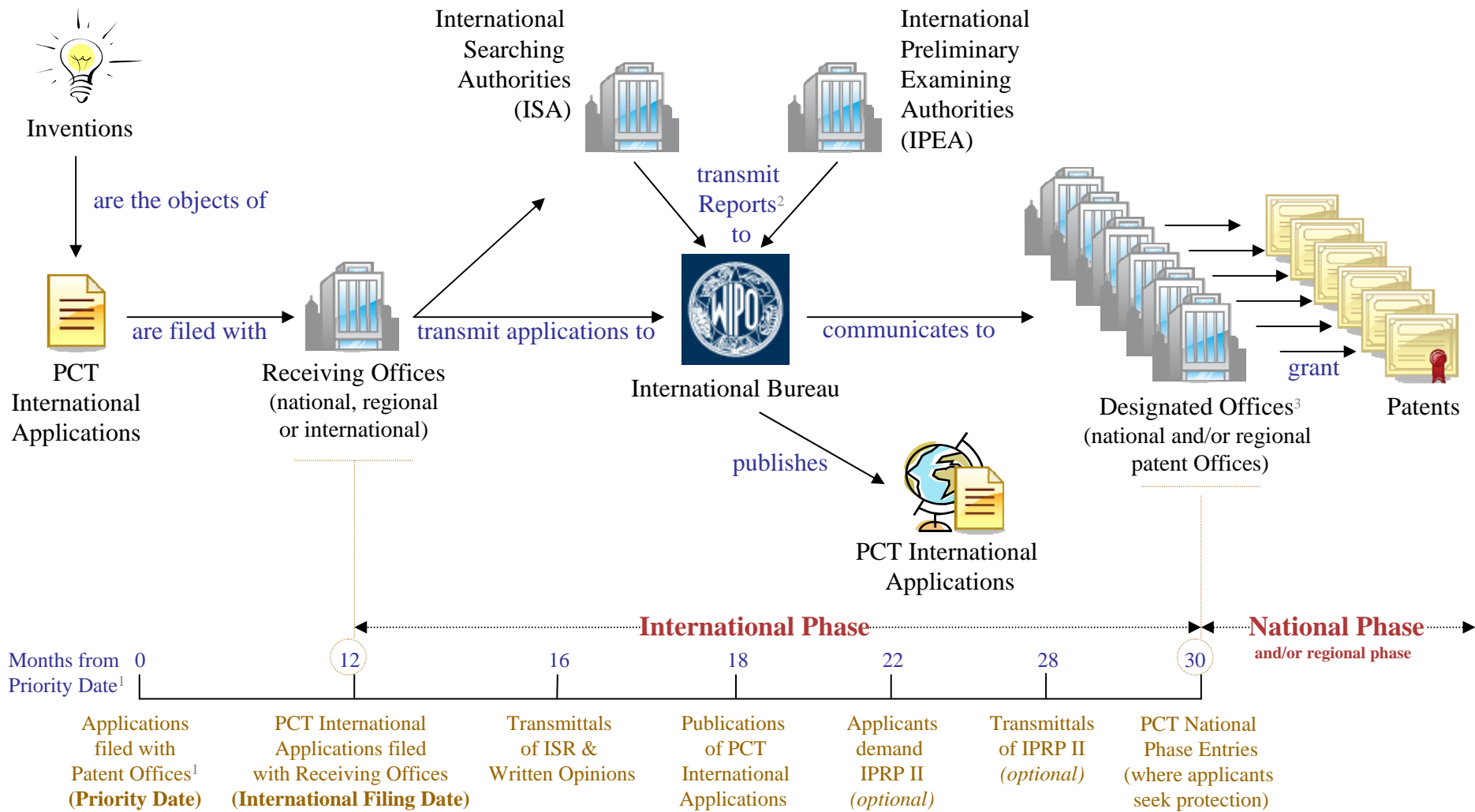
Agenda

- **ePCT Environment**
- PCT Filing
 - Paper / EASY / e-filing
- PCT Application follow up
 - ePCT
- PCT Publication
 - PATENTSCOPE
 - PATENTSCOPE search
 - PATENTSCOPE translation

ePCT Environment - introduction

- Modernization of PCT process
- Within the framework of the treaty
- An ongoing process
- Aiming for benefits for all parties





¹ Generally, applicants first file a national or regional patent application with their patent Office, and within 12 months from priority date, file a PCT international application at a receiving Office.
² ISAs transmit International Search Reports (ISRs) & the Written Opinions / IPEAs transmit International Preliminary Reports on Patentability II (IPRP II).
³ Called Elected Offices for Applicants having filed a demand for IPRP II.

PCT Processing is changing

- Originally paper processes

Moving to:

- ePCT electronic processes
 - Faster transmission
 - Better visibility
 - Improved quality



ePCT electronic process

■ Inventors / Applicants

- PCT-SAFE – eFiling / Easy filing
- ePCT portal – Document upload to IB
- ePCT portal – Notifications / email to IB
- Observations (applicant and 3rd party)
- DAS
- PATENTSCOPE publications / search

■ Inventors / Applicants (coming soon)

- ePCT portal – transmission to ISA / RO
- ePCT portal – enhanced national phase entry
- ePCT portal – Chapter II demand



ePCT electronic processes

- Faster transmission
 - Use of email
 - Direct upload
 - ePCT Portal Notifications
 - Availability on-line
 - Inter-Office transmission



ePCT electronic processes

- Better visibility

- ePCT portal allows you to look at your application once it has arrived at the IB

- RO-IB instantaneous

- Other ROs after transfer to IB

No-longer 'wait until publication' to see application

- PATENTSCOPE publication of all application documents

ePCT electronic processes

- Improved quality

 - Scan and index documents once

No-longer re-scan and re-index (time and errors)

 - Reuse data rather than re-type

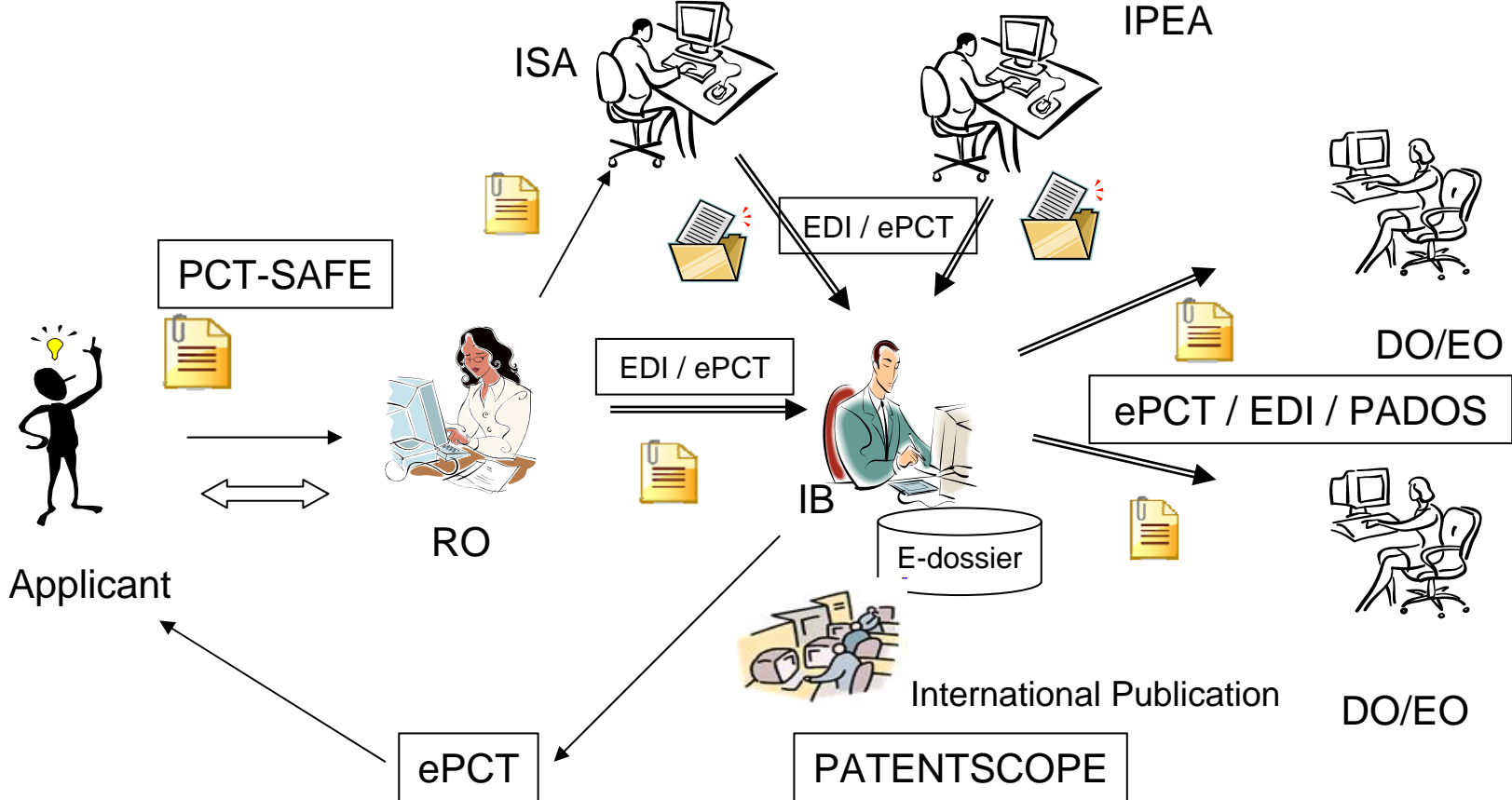
 - Bibliographic data

 - Search data

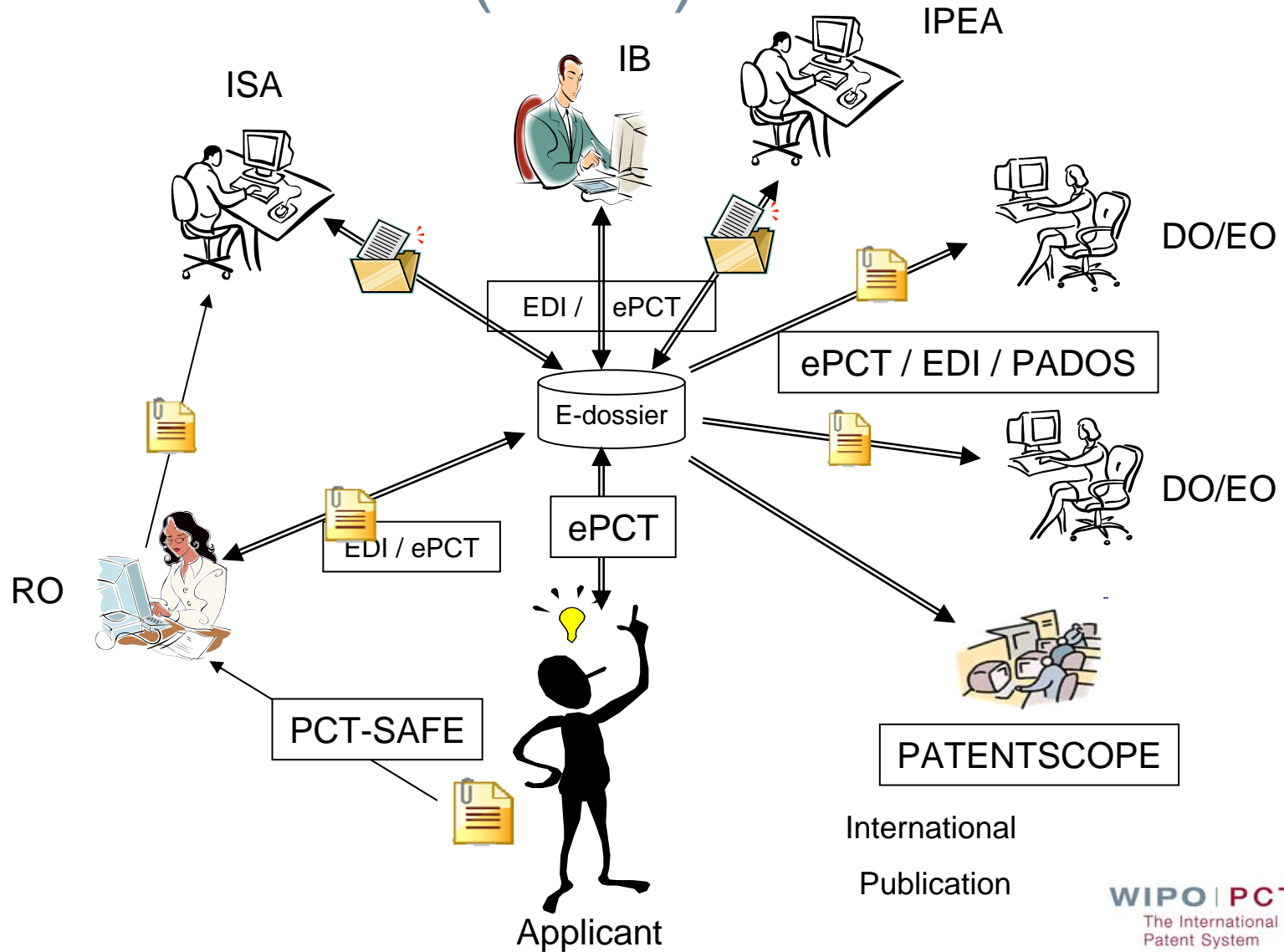
 - Application description (for search)

Reduced errors and better 'linking' to related data

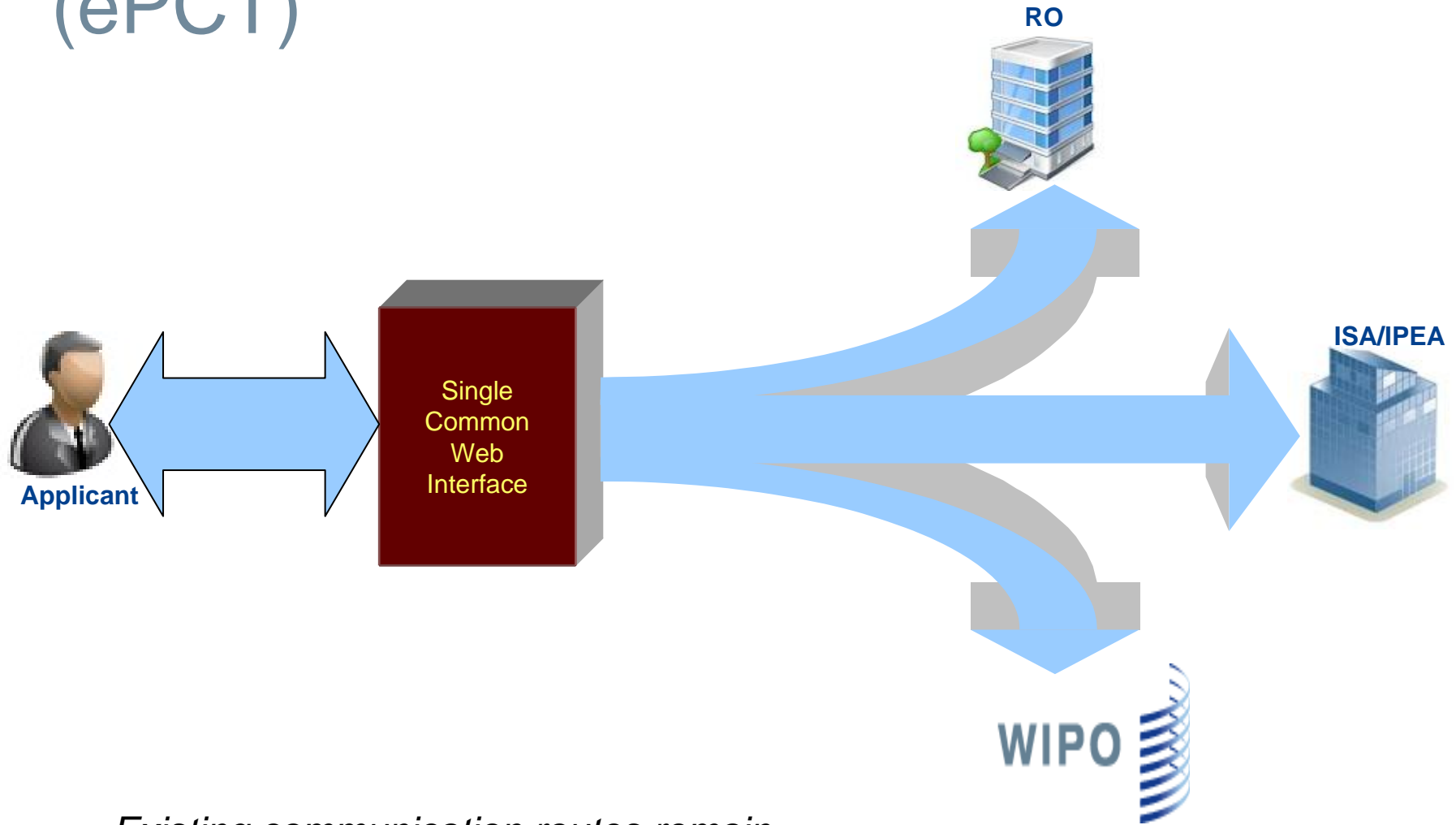
Overview of IT in PCT (2010)



Overview ePCT (2013)



Vision - Single Common Web Interface (ePCT)



Existing communication routes remain available

Agenda

- ePCT Environment
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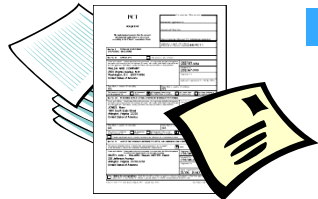
PCT Filing

- Filing options (business)
 - First or second filing
 - Priority document options
 - Which receiving Office
 - Which International Searching Authority
- Filing Media options
 - Paper
 - PCT-EASY
 - PCT-SAFE e-filing (PDF)
 - PCT-SAFE e-filing (XML)

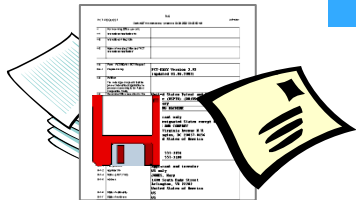
PCT filing (1)

PCT-SAFE Secure Applications Filed Electronically

■ Types of filing



- Paper: all documents on paper accompanied by Form PCT/RO/101



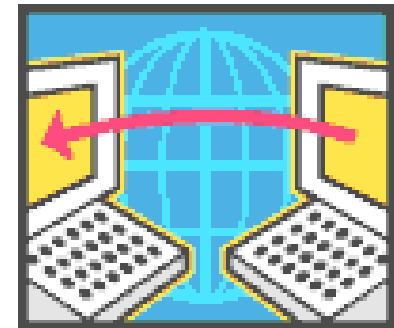
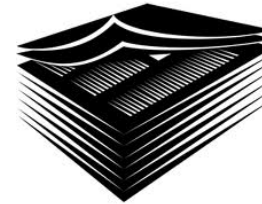
- PCT-SAFE (PCT-EASY): all documents on paper accompanied by PCT-EASY request Form and diskette/physical medium



- PCT-SAFE fully electronic: request, text and drawings filed on-line or on physical media, no paper required

PCT filing (2)

- PCT Paper filing
 - Accepted by all receiving Offices
 - Form easily available
 - Fax transmission
- PCT-EASY type filings
 - Accepted by more than 70 ROs
 - Based on media meta data plus paper
 - Software helps to validate request data
- PCT-SAFE electronic filings
 - Currently accepted by 20 ROs
 - Possible with RO/IB since February 2004 for all PCT applicants
 - Software helps to validate request data
 - Electronic / media transmission
 - PDF or Standard XML specification (re-usable)



 <http://www.wipo.int/pct-safe/en/>

PCT filing (3)

- PCT-SAFE fully electronic type and EASY filings accounted for approximately 78% of all PCT filings in 2009

- At RO/IB(2009)

 - PCT-EASY type filings 6.7%, fully electronic filings 63.6%, paper only filings 29.7%

© <http://www.wipo.int/pct-safe/en/>

PCT filing (4)

■ PCT-SAFE demonstration



PCT filing (5)

- Future developments

 - ePCT Web filing

 - ePCT Specification editor tool



<http://www.wipo.int/pct-safe/en/index.html>

Quality - Digitization

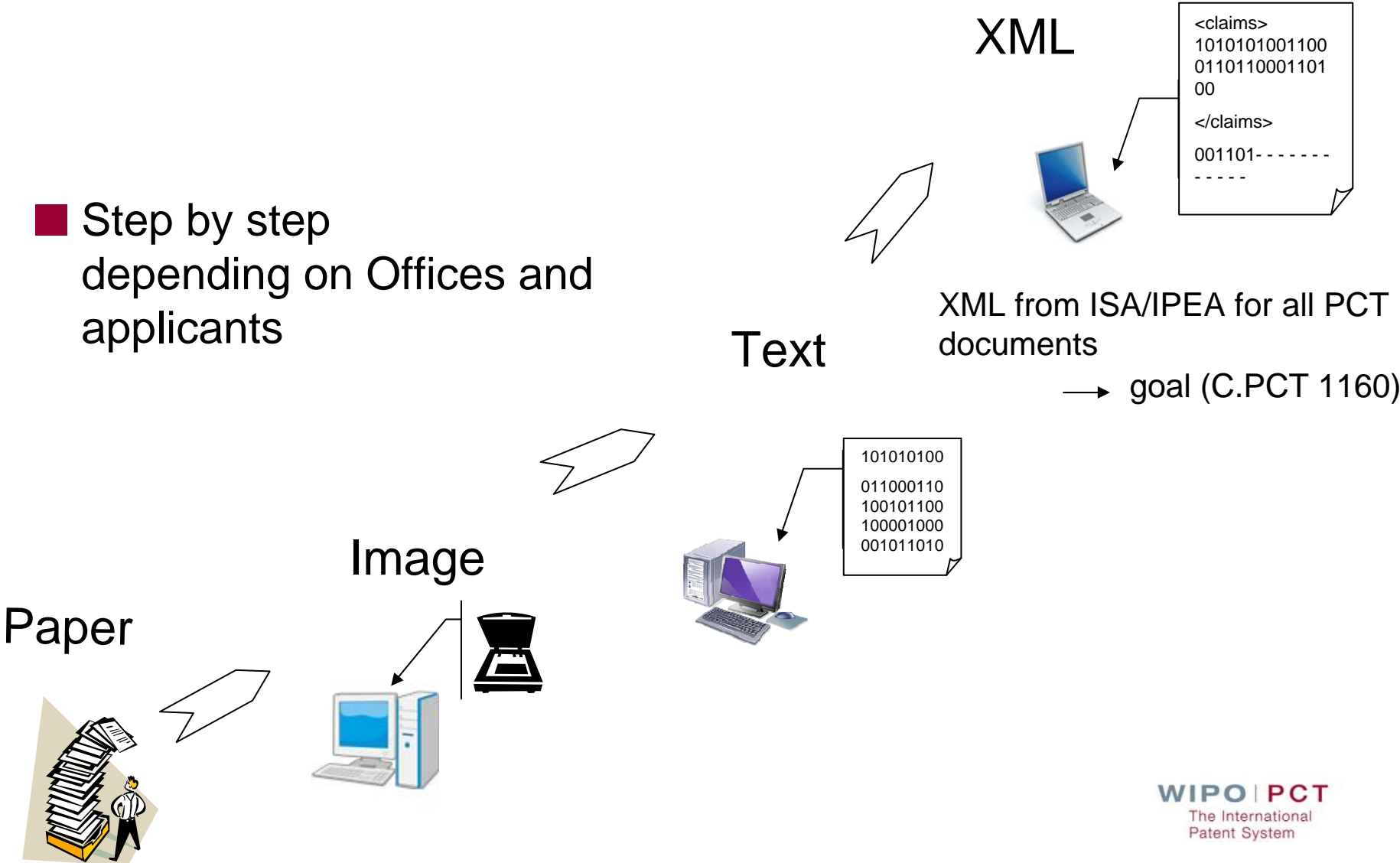
■ Advantages

- Preservation of original documents
- Provide formats for electronic data exchange
- Enable cost effective processing (search, translation)
- Enhance value added quality service



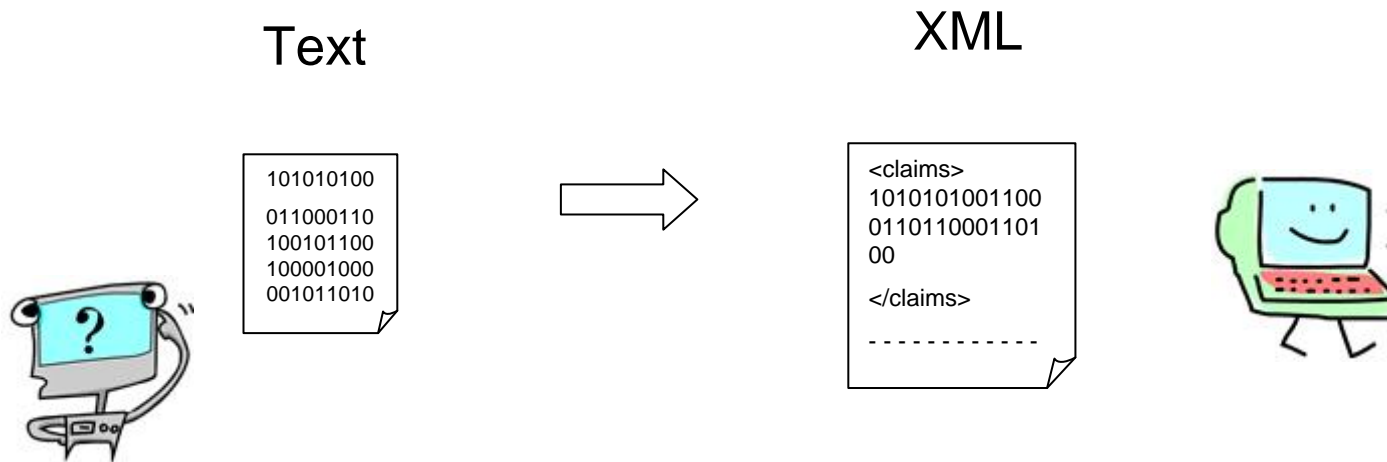
Digitization (1)

- Step by step depending on Offices and applicants



Digitization (2)

■ XML eXtensible Markup Language



Computer recognizes the text logically according to its tagged attributes, e.g., “claim” “abstract.”



Facilitate administration, retrieval, translation

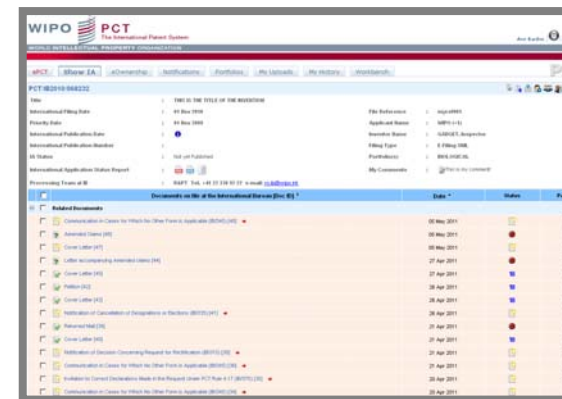
High quality service !

Agenda

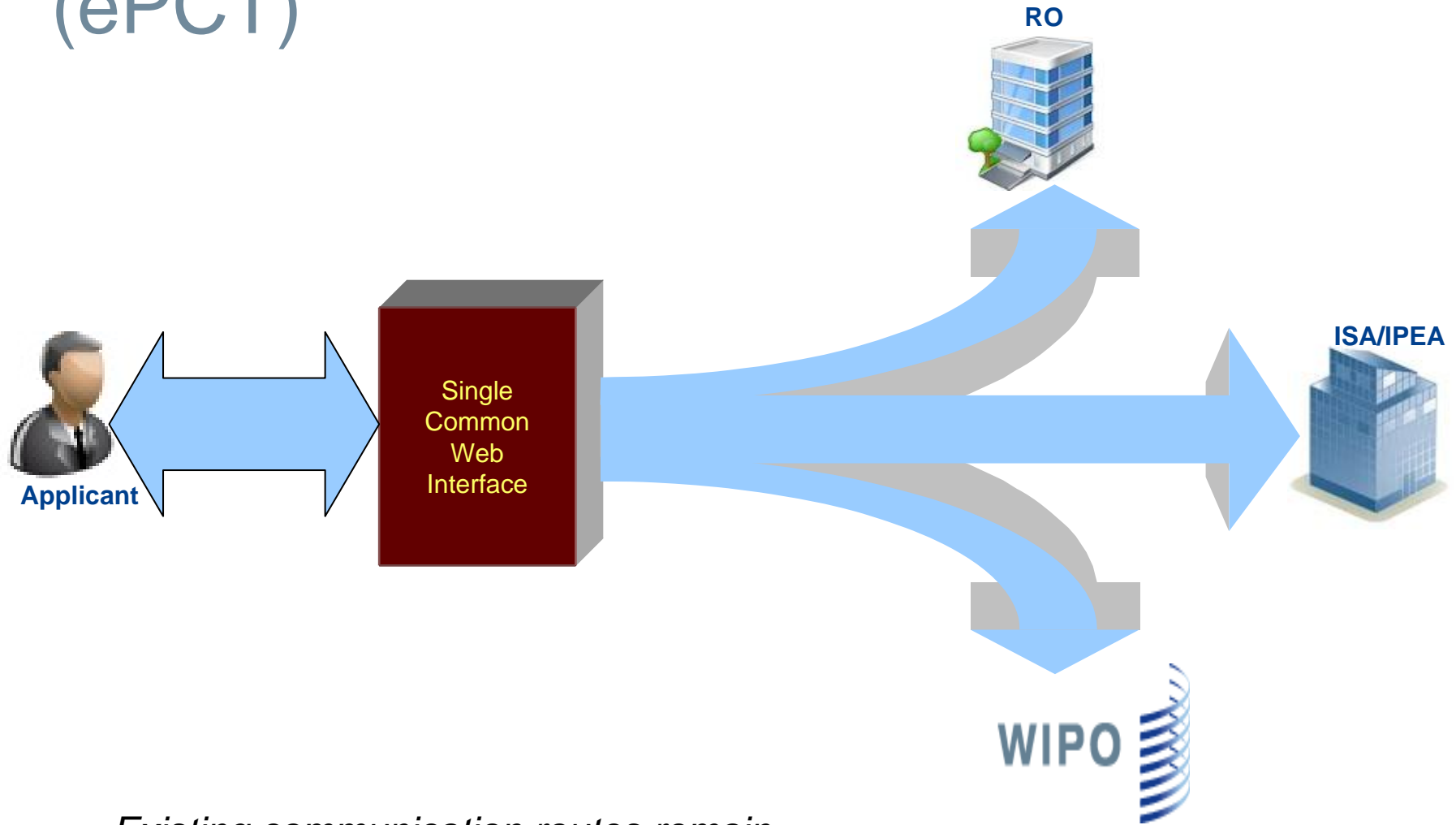
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ePCT –Overview

- ePCT provides online access to PCT international applications for applicants/agents
 - “ePCT *public* services”
 - “ePCT *private* services”
- Live pilot phase launched May 2, 2011
 - Initially limited to e-filed applications filed at RO/IB with a WIPO Certificate
- 2012 Updates
 - Applicant “Online actions”
 - Improved document upload
 - 3rd party Observations
 - Office “Online actions”



Vision - Single Common Web Interface (ePCT)



Existing communication routes remain available

ePCT - private access to file contents


PCT/IB2010/068232



Title : THIS IS THE TITLE OF THE INVENTION





International Filing Date : 01 Nov 2010 **File Reference** : myref001

Priority Date : 01 Nov 2009 **Applicant Name** : WIPO (+1)

































International Publication Date :  **Inventor Name** : GADGET, Inspector

International Publication Number : **Filing Type** : E-Filing XML

IA Status : Not yet Published **Portfolio(s)** : BIOLOGICAL

International Application Status Report :    **My Comments** :  This is my comment!

Processing Team at IB : R&PT Tel. +41 22 338 92 22 e-mail: ro.ib@wipo.int

<input type="checkbox"/>	Documents on file at the International Bureau [Doc ID] 	Date 	Status	Pages
<input type="checkbox"/>	Related Documents			
<input type="checkbox"/>	 Communication in Cases for Which No Other Form is Applicable (IB/345) [48] 	05 May 2011		1
<input type="checkbox"/>	 Amended Claims [46]	05 May 2011		1
<input type="checkbox"/>	 Cover Letter [47]	05 May 2011		1
<input type="checkbox"/>	 Letter accompanying Amended claims [44]	27 Apr 2011		1
<input type="checkbox"/>	 Cover Letter [45]	27 Apr 2011	18	1
<input type="checkbox"/>	 Petition [42]	26 Apr 2011	18	1
<input type="checkbox"/>	 Cover Letter [43]	26 Apr 2011	18	1
<input type="checkbox"/>	 Notification of Cancellation of Designations or Elections (IB/335) [41] 	26 Apr 2011		1
<input type="checkbox"/>	 Returned Mail [39]	21 Apr 2011		1
<input type="checkbox"/>	 Cover Letter [40]	21 Apr 2011	18	1
<input type="checkbox"/>	 Notification of Decision Concerning Request for Rectification (IB/315) [38] 	21 Apr 2011		1
<input type="checkbox"/>	 Communication in Cases for Which No Other Form is Applicable (IB/345) [36] 	21 Apr 2011		2
<input type="checkbox"/>	 Invitation to Correct Declarations Made in the Request Under PCT Rule 4.17 (IB/370) [35] 	20 Apr 2011		2
<input type="checkbox"/>	 Communication in Cases for Which No Other Form is Applicable (IB/345) [34] 	20 Apr 2011		1



Applicant Portal

ePCT Portal <http://ePCT.wipo.int>

WIPO PCT
The International Patent System

CONTACT US

WORLD INTELLECTUAL PROPERTY ORGANIZATION

ePCT for Applicants and Third Parties

The ePCT system offers two distinct types of online services:

- ePCT *public* services, requiring the creation of a standard WIPO user account (no access to confidential documents or data).
- ePCT *private* services, requiring additional authentication by uploading a digital certificate to a WIPO user account.

Note that this does not yet include the filing of new international applications.

ePCT private services

[Access ePCT private services](#)
(certified account holders only)

Smartcard holders using Internet Explorer should log in by clicking [here](#).

ePCT *private* online services enable access to international applications filed as of 1 January 2009, that are owned or managed by you. [Create an account](#)

Additional authentication is required by uploading a digital certificate to your user account. [Obtain/Upload a certificate](#)

ePCT public services

[Access ePCT public services](#)

ePCT *public* online services are available via the standard WIPO user account (no access to confidential documents or data). [Create an account](#)

SHORTCUTS

- [Getting started](#)
- [Transition to ePCT for document upload](#)
- [Observations by Applicants and Third Parties](#)
- [User guide](#)
- [FAQ](#)
- [What's new in ePCT?](#)
- [ePCT For Offices](#)

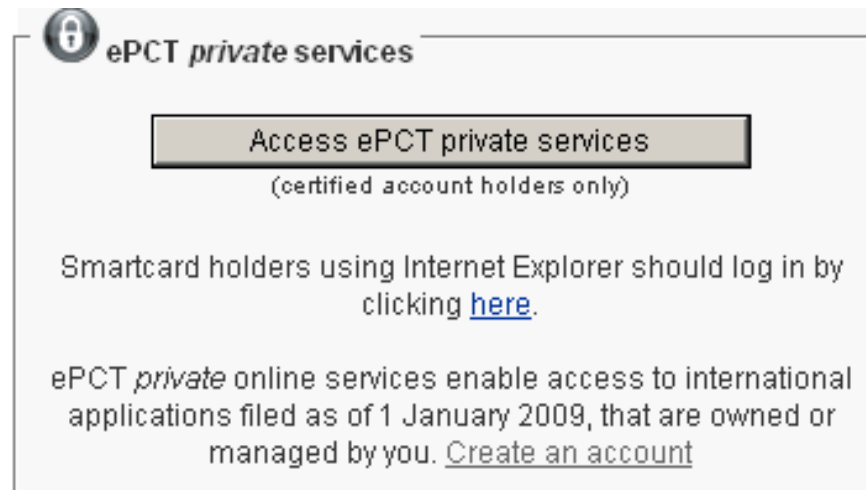
Supported browsers: Mozilla Firefox 3.6+ (recommended), Internet Explorer 7+
The system may not work correctly with other browsers and we will not be able to give assistance in these cases.

[Terms of use](#)

WIPO PCT
The International Patent System

ePCT – *Portal access*

- Create an account using the link on the page



- It is a WIPO account (e.g. same for PCT public/private, Madrid, etc.)

ePCT – Portal access (Private)

- Request a certificate using the link on the WIPO accounts page

The screenshot displays the user interface of the WIPO ePCT Private Portal. At the top, the user is identified as Peter Waring with a 'Logout' button. A dropdown menu for 'My Account' is open, showing options like 'Login Preferences' and 'Notification Preferences'. The main content area is divided into several sections: 'WIPO ACCOUNTS' with links for account management; 'Account profile' with 'User information' fields (Username, Customer ID, etc.); 'FUNCTIONS' with a circled link to 'My certificates'; and 'HELP' with various guides. On the right, the 'Digital Certificates' section shows a table with one certificate for Peter Waring. Below this, the 'Request new Digital Certificate' section contains a circled link to 'WIPO Digital Certificate'.

Name	E-mail	Organization	Serial Number
Peter WARING	peter.waring@wipo.int	World Intellectual Property Organization	37:DE:56:42:DB:4F:12:89:35:1B

If you do not have a digital certificate, please obtain one from the following link [WIPO Digital Certificate](#).

- Install the certificate in your browser

ePCT – certificate

- Enter a challenge phrase (password)
- Press on submit
- Receive a request acknowledgement email
- Receive a collection email
- Collect your certificate
- It will be installed in your browser
- Export a copy to a safe place

WIPO **Enrollment**

[Help with this Page](#)

Complete Enrollment Form

Enter your Digital ID information
Fill in all required fields. Fields marked with an asterisk (*) are included with your Digital ID and are visible in the certificate's details.

First Name: * (required) <small>(Surname or middle initial allowed (Example: Jack B.))</small>	<input type="text" value="Peter"/>
Last Name: * (required) <small>(example - Doe)</small>	<input type="text" value="WARRING"/>
Your E-mail Address: * (required) <small>(example - jdoe@verisign.com)</small>	<input type="text" value="peter.warring@wipo.int"/>

Challenge Phrase
The Challenge Phrase is a unique phrase that protects you against unauthorized action on your Digital ID. Do not share it with anyone. Do not lose it. You will need it when you want to revoke or renew your Digital ID.

Enter Challenge Phrase: (required) <small>Do not use any punctuation.</small>	<input type="text"/>
---	----------------------

Optional: Enter Comments
In some cases, your administrator will instruct you to enter Shared Secret information (known only to you and the administrator) in this field. The administrator uses the shared secret to verify that it really is you submitting the application. This comment will not be included in your Digital ID.


<input type="text"/>

Digital ID Subscriber Agreement
By applying for, submitting, or using a Digital ID, you are agreeing to the terms of the VeriSign Subscriber Agreement.

SUBSCRIBER AGREEMENT

YOU MUST READ THIS SUBSCRIBER AGREEMENT ("SUBSCRIBER AGREEMENT") BEFORE APPLYING FOR, ACCEPTING, OR USING A VERISIGN CERTIFICATE OR DIGITAL ID ("CERTIFICATE" OR "DIGITAL ID"). IF YOU DO NOT AGREE TO THE TERMS OF THIS SUBSCRIBER AGREEMENT, DO NOT APPLY FOR, ACCEPT, OR USE THE CERTIFICATE.

1. Certificate Application and Description of Certificates. This section details the terms and conditions regarding your application ("Certificate Application") for a Certificate and, if VeriSign accepts your Certificate Application, the terms and conditions regarding the your use of the Certificate to be issued by VeriSign to you as "Subscriber" of that Certificate. A Certificate is a digitally signed message that contains a Subscriber's public key and associates it with information authenticated by VeriSign or a VeriSign-authorized entity. The Certificates provided under this Agreement are issued within the VeriSign Trust Network ("VTN"). The VTN is a global public key infrastructure that provides Certificates for both wired and wireless applications. VeriSign is one of the service providers within the VTN, together with a global network of affiliates and partners throughout the world. The VTN and VeriSign under this Agreement offer three distinct classes ("Classes") of certification services, Classes 1-3, for both the wired and wireless Internet and other networks. Each level, or class, of Certificate provides specific functionality and security features and corresponds to a specific level of trust. You are responsible for choosing which Class of Certificate you need. The following subsections state the appropriate uses and authentication

 If all the information above is correct, click **Submit** to continue.

ePCT – *public services*

- Replacement of existing PCT Service Center
 - No access to confidential information
 - Secured transactions

- Current functionality
 - User account based identification
 - Online document upload
 - View uploaded documents (those from current user (account) only)
 - Online payment
 - Third party observation system

[WIPO account required]

ePCT – *private* services (I)

- ePCT *private* services
 - Secure Login: User account + password + certificate based identification
 - Secure data transmission
 - Secure claim and management of access rights
 - Ability to delegate access rights
 - Find accessible applications (view & download)
 - Personal history information (access rights etc)
 - History of actions for an international application

ePCT – *private services* (II)

- ePCT *private services*
 - Upload documents including signed cover letter (rule 92.1)
 - Online actions
 - Processing status indications and future availability
 - Display PCT timeline and bibliographic data for an international application (visual aid to monitor important PCT time limits)
 - Additional processing information
 - Reception of criteria based notifications
 - E-mail warnings of approaching deadlines
 - Private notes/comments

[WIPO account + certificate required]

ePCT – private services (III)

The screenshot displays the WIPO PCT ePCT interface. At the top, the WIPO PCT logo is shown with the text "The International Patent System". Below this, a navigation bar contains several tabs: ePCT, eOwnership, Notifications, My History, Portfolios, Workbench, Filing, and PCT/IB2012/03. The current page is identified as PCT/IB2012/031284. A secondary navigation bar includes File View, Upload Documents, Time Line, Access Rights, History, Actions, and Bibliographic Data. The main content area shows the following details:

- Title : (EN) BICYLCE SPOKE TENSIONING DEVICE
- International Filing Date : 30 Oct 2012
- Priority Date : No Priority Claim
- International Publication Date : [i](#)
- International Publication Number :
- IA Status : **Not yet Published**
- International Application Status Report
- Processing Team at IB
- Address for Service [i](#)

A dropdown menu is open under the "Actions" tab, listing the following options:

- Select
- Declaration of inventorship
- Licensing Availability Request
- Make international application available to DAS [wipo.int](#)
- Observations on close prior art
- Obtain priority document from DAS
- Rule 92bis change request
- Withdraw Chapter II Demand
- Withdraw Designation(s)
- Withdraw Election(s)
- Withdraw IA
- Withdraw Priority Claim(s)

Below the dropdown menu, there is a "Select Action" button and a text field labeled "Select the action to submit to the IB" with a dropdown menu set to "Select". An "OK" button is located to the right of the text field.

ePCT– setting up secure access (e-filing)

- Taking ‘e-Ownership’ of a PCT application (e-filed) requires:
 - The digital certificate used to e-file
 - IA number
 - Confirmation code appearing on Form IB/301
- Once e-ownership established, the application appears on user’s ‘Workbench’
 - Applications can be organised into portfolios
 - E-Owner can give/remove access rights to an application to other associated users - requires ‘e-Handshake’ process
 - Access rights available are ‘e-owner’ or ‘e-editor’
- The IB can control secure access
 - ePCT access rights can be suspended to a whole IA or just to individual users
 - As part of Rule 92*bis* changes or on an as needed basis

ePCT– setting up secure access (paper-filing)

- Taking ‘e-Ownership’ of a PCT application (paper) requires
 - a digital certificate in ePCT
 - IA number
 - Confirmation code appearing on Form IB/301
 - “Yes” Request e-Ownership from IB
 - Complete e-Ownership Request form
 - Wait for confirmation e-mail from IB

- The IB controls secure access
 - Once e-ownership established, the application appears on user’s ‘Workbench’
 - Access now the same as if the IA was originally e-filed

- This process also applies to e-filed cases where the certificate for filing was different

ePCT PCT-SAFE – Taking Ownership

eOwnership Code

Copy/Paste your Customer ID and eOwnership Code to the fields on the PCT-SAFE signature screen.
The eOwnership Code can only be used for one application.

Customer ID

eOwnership Code

Close

Signature

Legal Signature

Alphanumeric

Facsimile

Advanced Digital (No more signatures can be applied - this signature should be finalizing the signing process.)

Assign eOwnership in ePCT (optional)

ePCT Customer ID:

ePCT eOwnership code:

Apply Signature Cancel

no.reply@wipo.int [no.reply@wipo.int]

Sent: Saturday, April 07, 2012 15:26

To: Waring, Peter



WORLD INTELLECTUAL PROPERTY ORGANIZATION

ePCT

ePCT Notifications - PCT/IB2012/030164 - test10mins - DEMO

Dear Peter WARING,

Your access rights in the ePCT system have been modified as follows

Modified By : Peter WARING
Date and Time : 07-Apr-2012 01:00:00 AM CEST
IA Number : PCT/IB2012/030164
New Access Rights : e-Owner

Please go to [ePCT](#)

Best Regards.

WIPO | PCT
The International
Patent System

ePCT– managing Access

- Access to IAs in ePCT is the e-Owner's responsibility
 - Can give and remove access rights

- An E-Handshake is required to ensure good identification of correspondent users
 - Once e-handshake established
 - Grant eViewer, eEditor or eOwner rights

- This allows colleagues who need to see the application access.

PCT Application follow up

- ePCT demonstration <http://ePCT.wipo.int>



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 - PATENTSCOPE translation

PCT Publication

- PCT publication occurs for applications promptly after 18 months from the priority date
 - Initial with or without International Search Report
 - Subsequently republished if required (e.g. on availability of International Search Report)
- PCT Publication is made available
 - to member states in bulk
 - to the public via PATENTSCOPE

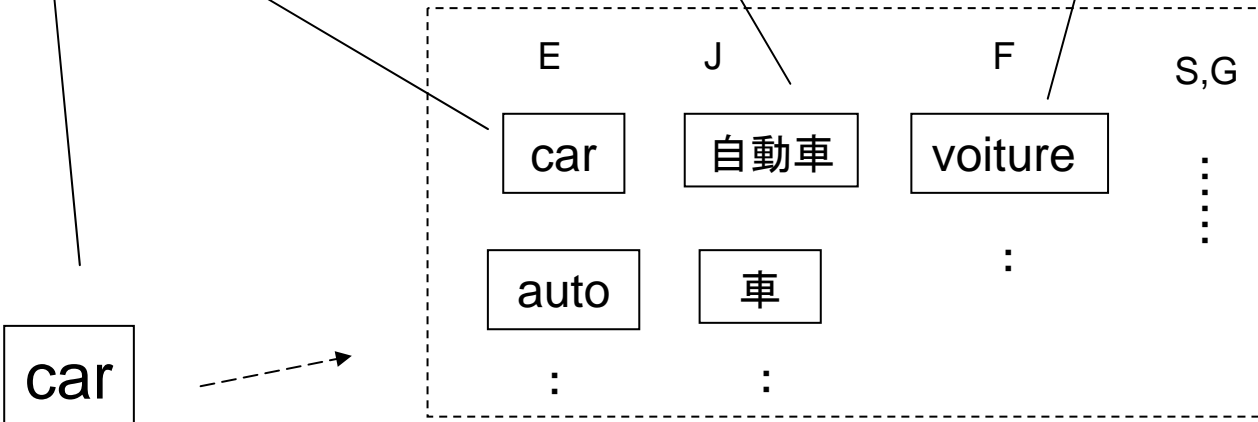
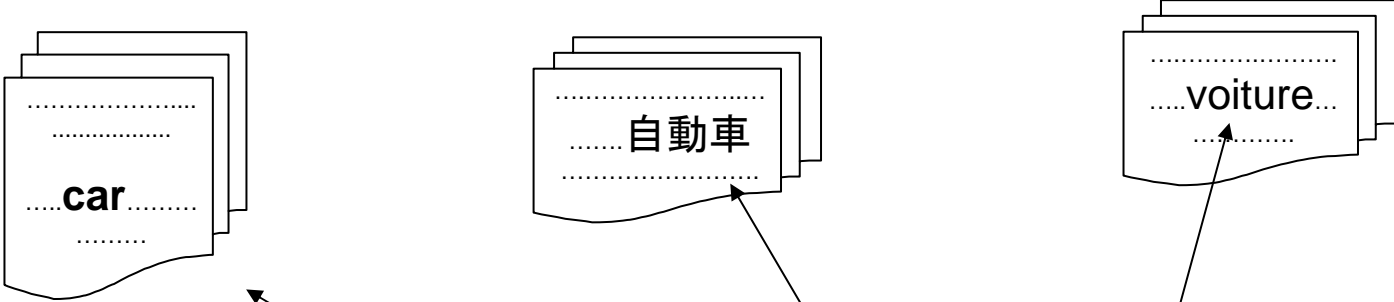
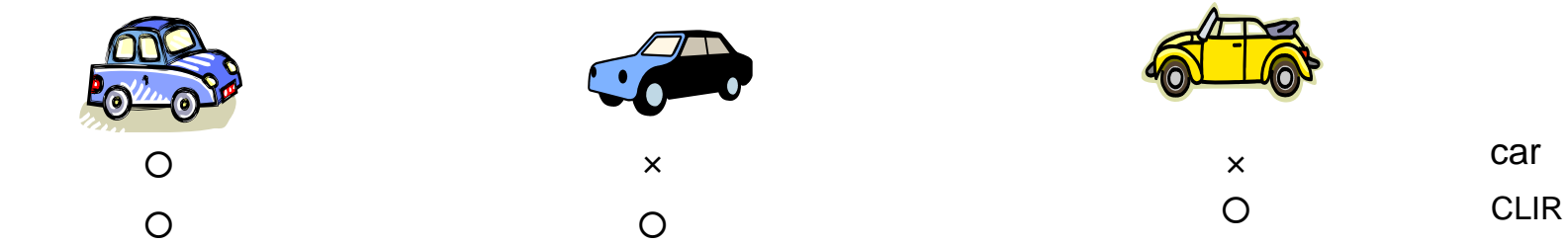
PATENTSCOPE

- Increasing data availability
 - PCT publication (browse by week)
 - National collections
 - National phase entry information
 - + ...
- Increasing accessibility
 - Improved search interface
 - Utilisation of translation
 - CLIR (public)
 - Web services (office)

PATENTSCOPE (4)

Sort by: Relevance		Google translate: Original					
No	Ctr	Title	PubDate	Int.Class		Applicant	Inventor
1.	WO	WO/2010/018902 -ELECTRIC CAR	18.02.2010	B60L 11/18	PCT/KR2		
<p>An electric car is disclosed, which is basically configured to allow a plurality of driving motors. driving motors can be driven when a driving load is small like on a flat ground, and all the driving road in which a vehicle speed is slow due to a large driving load. Namely, the driving force of d such a manner that only a needed driving torque is outputted depending on a change of loads f</p>							
2.	WO	WO/1993/005977 -ELECTRIC CAR	01.04.1993	B60L 3/00	PCT/GB1		
<p>A drive system (11) for an electric car has four wheels (12, 13, 14, 15) to each of which is co connected to a power supply (25) and are controlled by a supervisory control unit (20) and sep</p> <p>The electric motors (18) are for each motor (18). Control of the</p>							
3.	WO	WO/2009/089573 -POWER SUPPLY WITH INTEGRATED GENERATOR AND TRANSFORMER FOR ELECTRIC CAR	23.07.2009	B60L 11/00	PCT/AU2009/000003	STRANG, John, Thomas	STRANG, John, Thomas
<p>An electric car has a primary power system comprising at least one integrated generator and transformer, and a secondary power system comprising a contoured and streamlined solar panel roof. The integrated generator and transformer is a rotating field generator combined with a step-up transformer, and can be driven, for example, by a free wheeling front axle of the electric car. The primary supply coils and the primary and secondary transformer windings are triple coil stacked as a single unit on the stator body, and the flux pathway is optimised. Magnet keepers comprising male and female components are provided for the permanent rotor magnets.</p>							

PATENTSCOPE (5)



create relevant terms in 5 languages

car

CLIR

PATENTSCOPE (6)



Home > IP Services > PATENTSCOPE > Database Search > Back to PatentScope And National Patent Collections

Input search terms

Query [Help]

solar power

» Query Language: English

» Expansion Mode: Automatic

» Precision Recall

Submit Query

 http://www.wipo.int/patentscope/search/en/help/CLIR_DOC.pdf

WIPO | PCT
The International
Patent System

PATENTSCOPE (7)



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((EN_TI:("solar power" OR "solar energy"~21 OR "solar electrical"

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No	Ctr	Title	PubDate	Int.Class	App.No	Applicant	Inventor
1.	MX	MX/a/2007/000671 - SOLAR ENERGY POWER SUPPLY SYSTEM	27.01.2009	F24J 2/00	MX/a/2007/000671	CHIA-TIEN WU	CHIA-TIEN WU
<p>A solar energy power supply system includes a solar battery (1), an electrolyte supply device (2), an electrolyte recycling device (3), a hydrogen recycling device (4), a fuel cell (5), a heating device (6) and a power management device (7). Electric power generation is accomplished by first activating the electrolyte supply device (2) to inject electrolyte (15) into the solar battery (1). The electrolyte (15) is a compound of water and a photo catalyst. The solar battery (1) receives light or heat to generate electric power. Water vapor (9) and hydrogen are generated and recycled through the electrolyte recycling device (3) and the hydrogen recycling device (4).;When the light or heat is not available the recycled hydrogen gas is delivered to the fuel cell (5) to continuously generate the electric power or the heating device (6) provides heat to the solar battery (1) to continuously generate electric power. Electric current generated by the solar battery (1) and fuel cell (6) is controlled by the power management device (7)to comply with electric power specification for final usage.</p>							
2.	WO	WO/2009/107776 - SOLAR POWER GENERATION SYSTEM	03.09.2009	E04D 13/18	PCT/JP2009/053683	KYOCERA CORPORATION	KANBARA, Tatsuji
<p>Disclosed is a solar power generation system comprising a solar cell module (1), an installation mount (2) that supports a pair of the edges of the solar cell module (1), and at least one supporting member (3) arranged on the side of the non-light receiving surface (1B) of the solar cell module (1). The supporting member (3) is disposed so that is separated from but can come in contact with the non-light receiving surface (1B) of the solar cell module (1) due to the deformation of the solar cell module (1). The deformation of the solar cell module (1) increases in response to external force applied to the solar cell module (1).</p>							
3.	MX	PA/a/2000/012849 - SOLAR POWERED ELECTRICAL GENERATING SYSTEM	28.11.2003	B60K 16/00	PA/a/2000/012849	SCOTT SPARKMAN	SCOTT SPARKMAN
<p>A solar powered electrical generating system (10) includes a continuous hydraulic circuit (12) carrying a liquid (14) therethrough. A boiler (16) is fluidly connected to a first side of the continuous hydraulic circuit (12). A facility (18) is for heating the liquid (14) within the boiler (16). A condenser (20) is fluidly connected to a second side of the continuous hydraulic circuit (12). A facility (22) is for cooling the liquid (14) within the condenser (20). A hydraulic motor (24)</p>							

PATENTSCOPE (9)

Input search terms


Term 1: solar

Term 2: power

Term 3: solar power

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Head, PCT Technical Cooperation,
PCT International Cooperation Division