PATENTSCOPE summer course

Session 1: search fields, operators and nesting

Session 1

- Search fields, operators and nesting

Session 2 July 21, 2021

- Caret, stemming, wildcards, truncation, fuzzy searches

Session 3 August 11, 2021

- Results, NPL, families

Session 4 August 24, 2021

- CLIR, chemical searches and combination of all the studied features during summer course

Format

- Review theory: search fields and nesting/grouping
- Practical exercises in PATENTSCOPE https://patentscope.wipo.int :
  - a search query or question will be asked
  - a few minutes will be given to participants
  - answer will be provided
  - use the chat to ask question
- Q & A

Search fields

Publication Number
WO/2021/097509

Publication Date
27.05.2021

International Application No.
PCT/AT2020/060409

International Filing Date
20.11.2020

IPC
B60N 2/28 2006.01 | B60N 2/90 2018.01

Applicants
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Priority Data
A 51010/2019 22.11.2019 AT

Publication Language
German [DE]

Filing Language
German [DE]

Designated States
View all

Title
[DE] KINDERSITZ
[EN] CHILD SAFETY SEAT
[FR] SIÈGE ENFANT

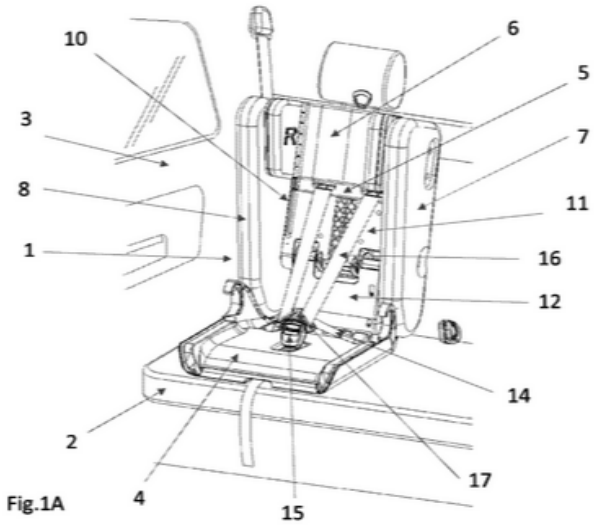

Fig.1A

Abstract

[DE]
Kindersitz [1] zur Anbringung an einem Fahrzeugsitz [2] eines Fahrzeugs [3], aufweisend: - ein Sitzelement [4], - ein Rückenelement [5], vorzugsweise mit einem oberen Rückenteil [11] und einem unteren Rückenteil [12], wobei das Rückenelement [5] zwischen einer Gebrauchsstellung und einer Transportstellung verschwenkbar ist, - eine Verriegelungseinrichtung [31] zur Verriegelung des Rückenelements [5] in der Gebrauchsstellung, wobei - die Verriegelungseinrichtung [31] eine Verriegelungsstange [32] und eine erste Verriegelungsöffnung [33] aufweist, wobei die Verriegelungsstange [32] in der Gebrauchsstellung mit der ersten Verriegelungsöffnung [33] verriegelt ist.

[EN]
A child safety seat [1] for attaching to a vehicle seat [2] of a vehicle [3], said child safety seat having: - a seat element [4]; - a back element [5], preferably comprising an upper back part [11] and a lower back part [12], said back element [5] being pivotable between an in-use position and a transport position; - and a locking device [31] for locking the back element [5] in the in-use position, wherein - the locking device [31] has a locking bar [32] and a first locking opening [33], and the locking bar [32] is locked in the in-use position by means of the first locking opening [33].

[FR]
L'invention concerne un siège enfant [1] destiné à être monté sur un siège de véhicule [2] d'un véhicule [3], présentant : un élément d'assise [4]; un élément de dossier [5], de préférence pourvu d'une partie de dossier supérieure [11] et d'une partie de dossier inférieure [12], l'élément de dossier [5] pouvant pivoter entre une position d'utilisation et une position de transport; et un dispositif de verrouillage [31] pour verrouiller l'élément de dossier [5] dans la position d'utilisation, le dispositif de verrouillage [31] comportant une tige de verrouillage [32] et une première ouverture de verrouillage [33], la tige de verrouillage [32] étant verrouillée dans la première ouverture de verrouillage [33] en position d'utilisation.

Simple search

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Title
[DE] KINDERSITZ
[EN] CHILD SAFETY SEAT
[FR] SIÈGE ENFANT

Field
Front Page
Front Page
Any Field
Full Text
ID/Number
Int. Classification(IPC)
Names
Publication Date

Abstract

[DE]
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[EN]
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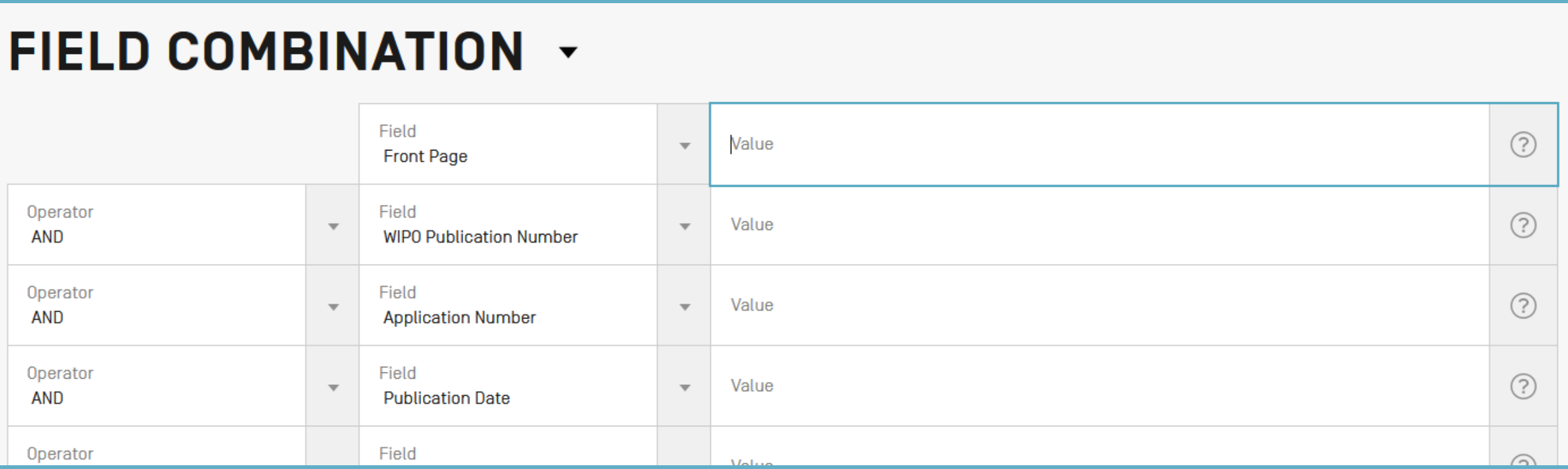
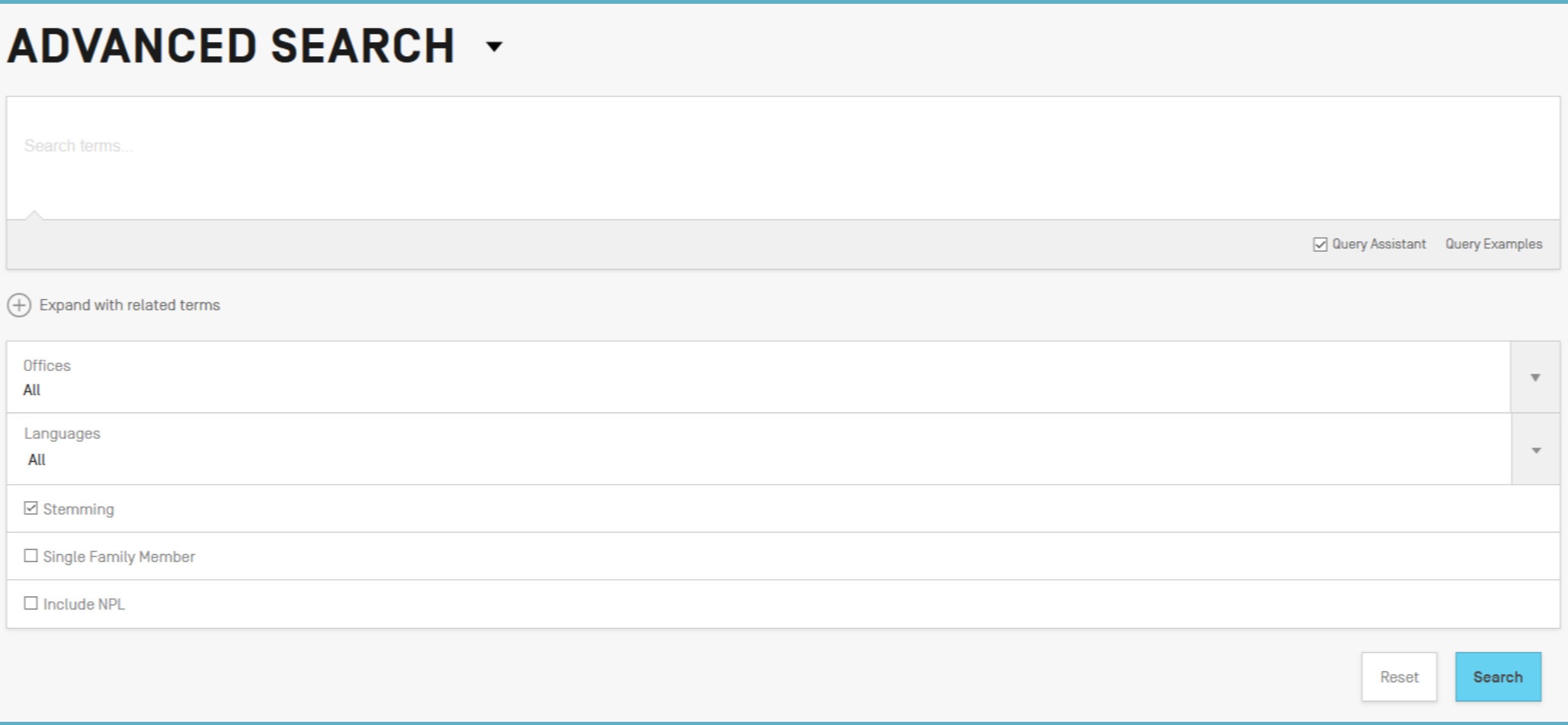
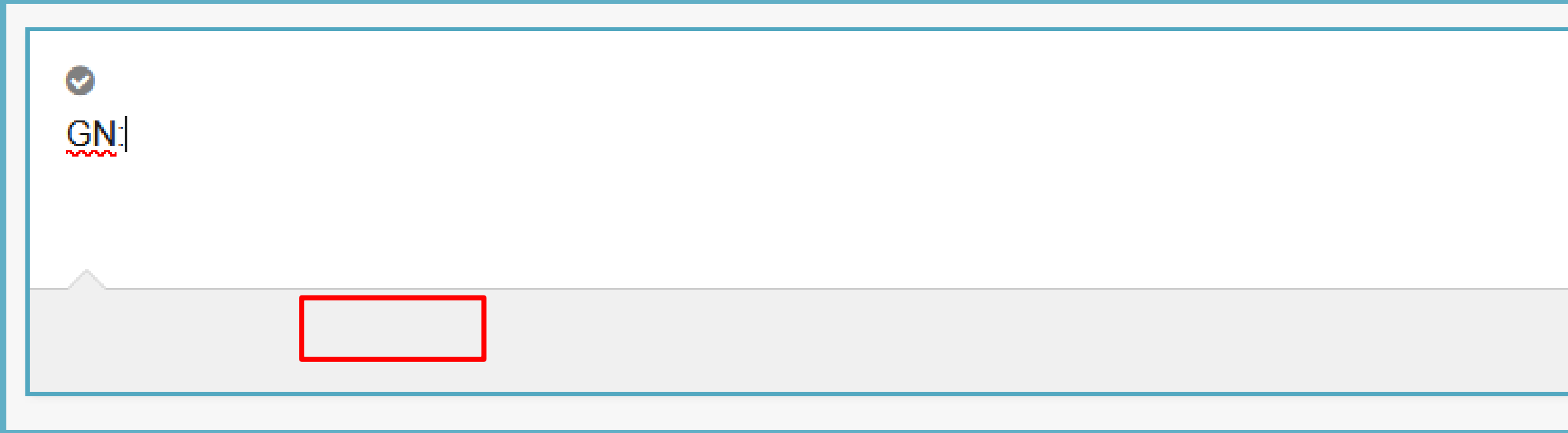
Field Combination



Advanced search

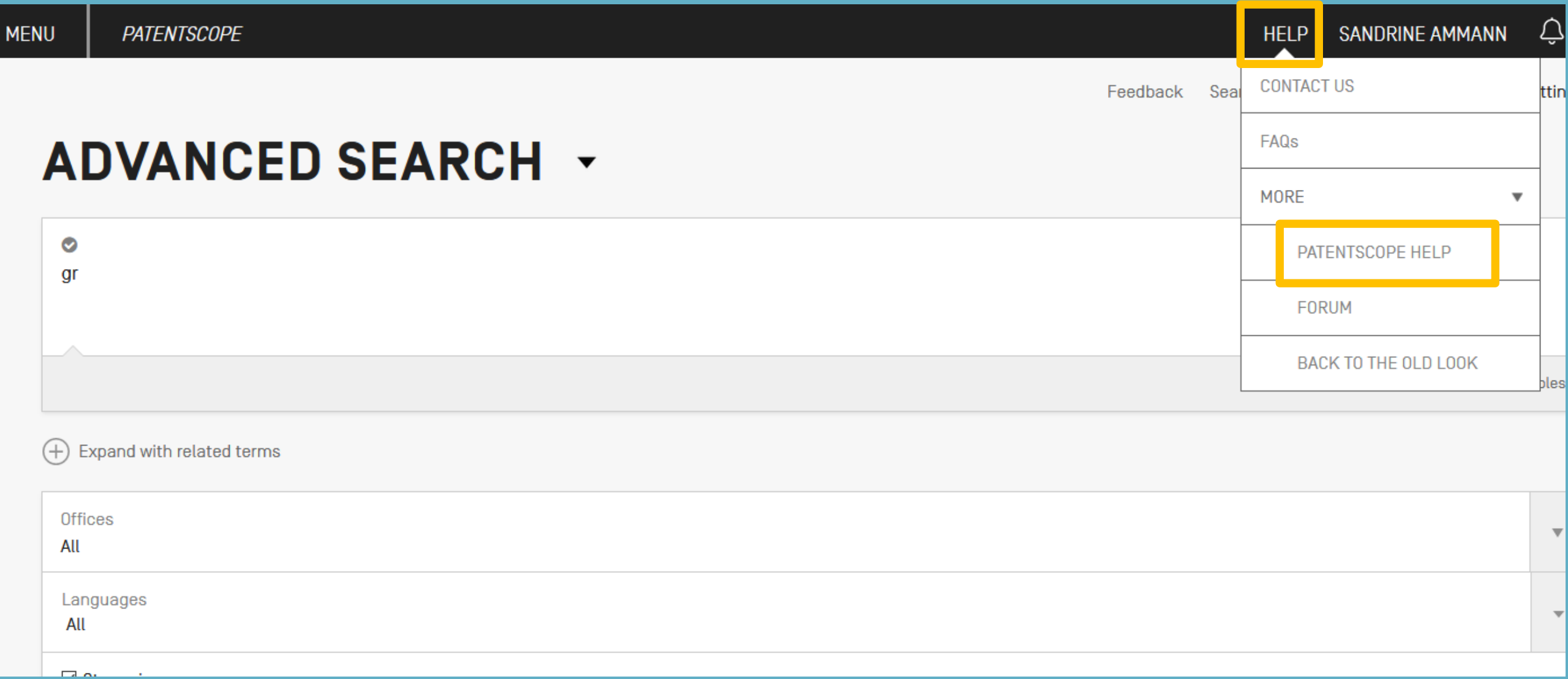


Auto-suggested fields



Query assistant

- Validates query
- Autocompletes search terms
- Suggests countries and IPC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HELP

HOW TO SEARCH

- User's Guide
- PCT Families
- Query Syntax
- Fields Definition
- Tutorials

PATENTSCOPE NEWS

- New in PATENTSCOPE : Patent Families And More [Feb 4, 2020]
- Tell Us What You Think of PATENTSCOPE! [Sep 24, 2019]
- New in PATENTSCOPE: Chemical Sub-Structure Search [Sep 19, 2019]
- The New PATENTSCOPE Interface [Sep 18, 2019]
- Webinar On Upcoming New PATENTSCOPE Interface [Sep 9, 2019]

Symbol	Name	He	Type	Stemmed	Parent
ALLTXT	Text	The entered value is searched against the english Title, Abstract, Claims and Description Fields; the stemming option is off. ALLTXT:("electric car" OR "voiture electrique"~50)	text		[ALL]
EN_ALLTXT	English Text	The entered value is searched against the english Title, Abstract, Claims and Description Fields; the stemming option is on. EN_ALLTXT:("electric car"~50) EN_ALLTXT:("sol* panel"~5) EN_ALLTXT:(elect?icit?) EN_ALLTXT:(electric^10 and car^3)	text	X	[EN_ALL]
FR_ALLTXT	French Text	FR_ALLTXT:("voiture électrique"~50)	text	X	[FR_ALL]
DE_ALLTXT	German Text	DE_ALLTXT:("elektro auto")	text	X	[DE_ALL]
ES_ALLTXT	Spanish Text	ES_ALLTXT:("coche eléctrico")	text	X	[ES_ALL]
VN_ALLTXT	Vietnamese Text	VN_ALLTXT:("xe hơi điện"~10)	text	X	[VN_ALL]
RU_ALLTXT	Russian Text	RU_ALLTXT:("электрический автомобиль")	text	X	[RU_ALL]
JA_ALLTXT	Japanese Text	フルテキスト：「発明の名称」、「要約」、「請求の範	text	X	[JA_ALL]

Exercices

- What field do you use to search in:

1. claims in Japanese
2. the national collection China
3. the national collection of China and the national phase entries in China
4. all data related to the legal representative MacArthur
5. kind codes utility models 1st publication level
6. IPC without subgroups

3 minutes: time remaining

Symbol	Name	Help	Type	Stemmed	Parent
ALLTXT	Text	The entered value is searched against the english Title, Abstract, Claims and Description Fields; the stemming option is off. ALLTXT:("electric car" OR "voiture electrique"~50)	text		[ALL]
EN_ALLTXT	English Text	The entered value is searched against the english Title, Abstract, Claims and Description Fields; the stemming option is on. EN_ALLTXT:("electric car"~50) EN_ALLTXT:("sol* panel"~5) EN_ALLTXT:(elect?icit?) EN_ALLTXT:(electric^10 and car^3)	text	X	[EN_ALL]
FR_ALLTXT	French Text	FR_ALLTXT:("voiture électrique"~50)	text	X	[FR_ALL]
DE_ALLTXT	German Text	DE_ALLTXT:("elektro auto")	text	X	[DE_ALL]
ES_ALLTXT	Spanish Text	ES_ALLTXT:("coche eléctrico")	text	X	[ES_ALL]
VN_ALLTXT	Vietnamese Text	VN_ALLTXT:("xe hơi điện"~10)	text	X	[VN_ALL]
RU_ALLTXT	Russian Text	RU_ALLTXT:("электрический автомобиль")	text	X	[RU_ALL]
JA_ALLTXT	Japanese Text	フルテキスト：「発明の名称」、「要約」、「請求の範	text	X	[JA_ALL]

- National Collections of Finland and New Zealand now Available in Patentscope [Mar 16, 2021]
- Extended Patent Family Information Now Available in PATENTSCOPE [Mar 10, 2021]
- Non-Patent Literature Now Available in PATENTSCOPE [Mar 2, 2021]

DATA COVERAGE

- PCT applications
- PCT national phase entry
- National collections
- Global Dossier public
- Chemical documents
- Standard ST37 Authority Definition File

CODES

- INID codes
- Kind codes
- Country Code

ABOUT

Version 1.4.20

Answers

- What field do you use to search in:

1. claims in Japanese JA_CL:オーブン
2. the national collection China CTR:CN
3. the national collection of China and the national phase entries in China OF:CN
4. all data related to the legal representative MacArthur RPA:(MacArthur)
5. kind codes utility models 1st publication level DTY:U
6. IPC without subgroups? IC_EX

IPC searches

- **IC:G** documents classified in section G (Physics)
- **IC:G01** documents classified in class G01 (Measuring, testing)
- **IC: "G01K 13"** documents classified in subclass G01K 13 (Thermometers)- includes subgroups
- **IC: "G01K 13/00"** documents classified in main group G01K13/00 (Thermometers) - includes subgroups
- **IC_EX: G01K 13/20** for all patents classified in this specific subgroup 13/20

(Clinical contact thermometers for use with humans or animals)

- Supported formats

"G01K 13/00"

G01K 13/00

G01K-13/00

ADVANCED SEARCH

IC:C

C: CHEMISTRY; METALLURGY

C01: INORGANIC CHEMISTRY

C02: TREATMENT OF WATER, WASTE WATER, SEWAGE, OR SLUDGE

C03: GLASS; MINERAL OR SLAG WOOL

C04: CEMENTS; CONCRETE; ARTIFICIAL STONE; CERAMICS; REFRACTORIES

C05: FERTILISERS; MANUFACTURE THEREOF

C06: EXPLOSIVES; MATCHES

C07: ORGANIC CHEMISTRY

C08: ORGANIC MACROMOLECULAR COMPOUNDS; THEIR PREPARATION OR CHEMICAL WORKING-UP; COMPOSITIONS BASED THEREON

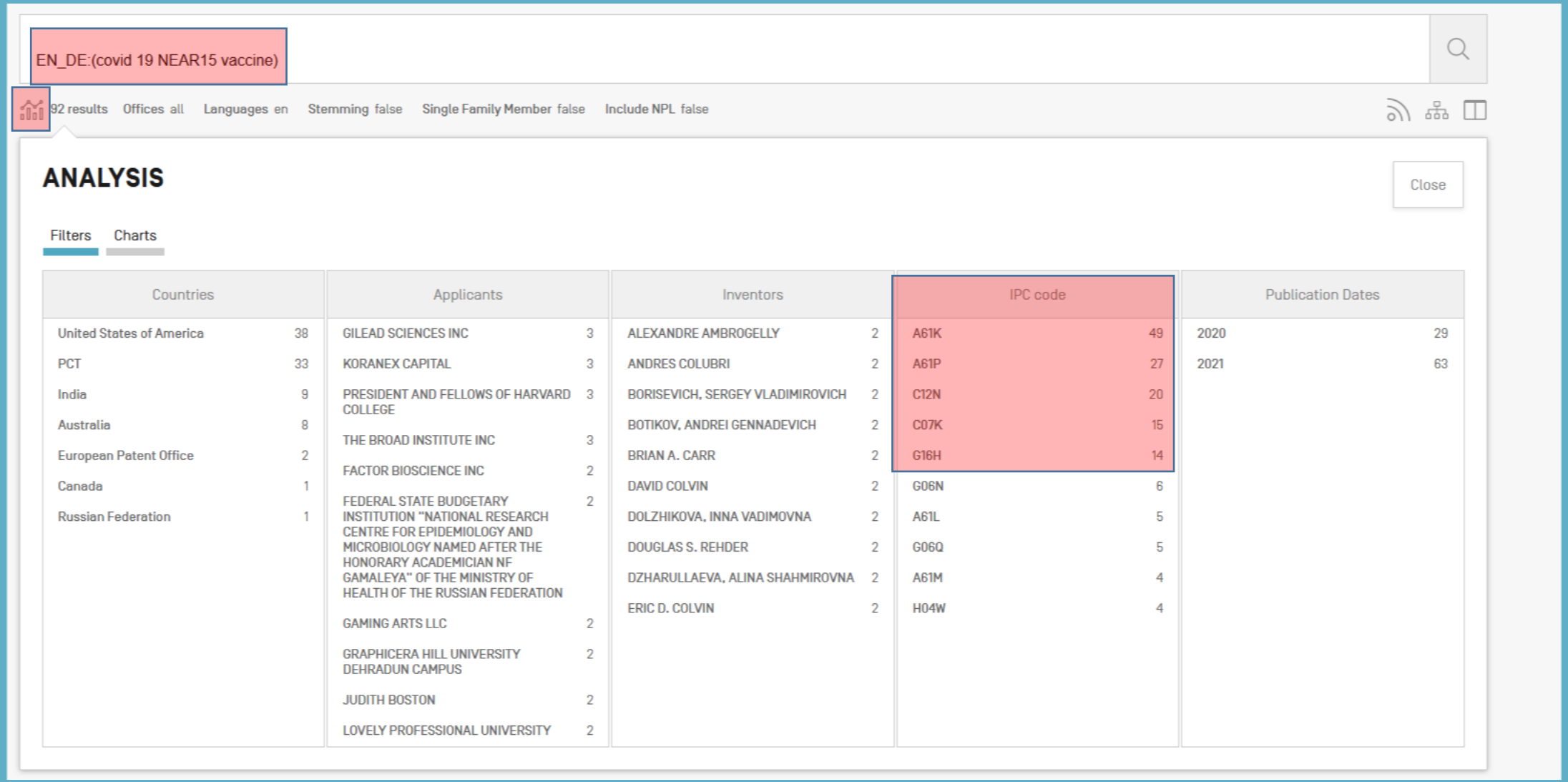
C09: DYES; PAINTS; POLISHES; NATURAL RESINS; ADHESIVES; COMPOSITIONS NOT OTHERWISE PROVIDED FOR; APPLICATIONS OF MATERIALS NOT OTHERWISE PROVIDED FOR

Exercices with IPC codes

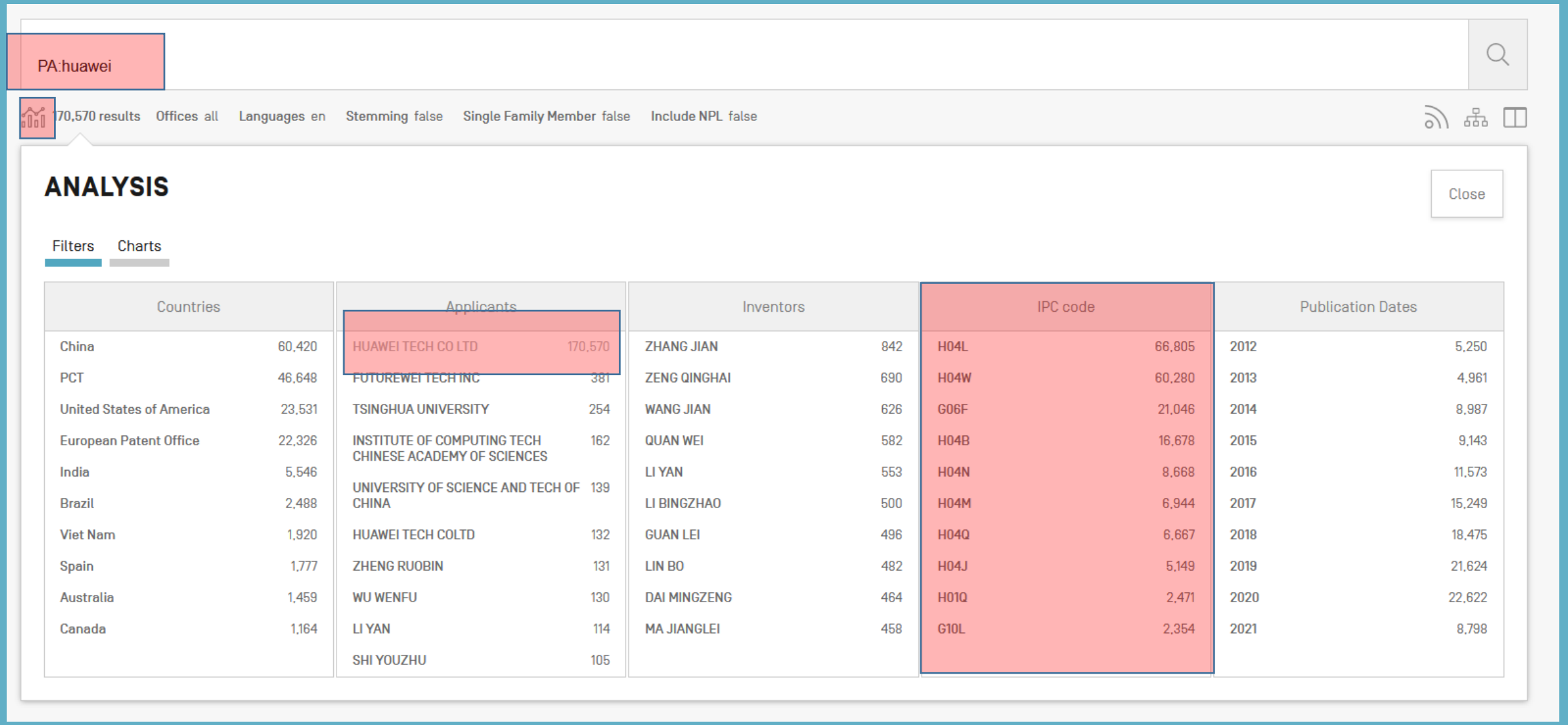
- Find 5 IPC codes related to COVID-19 vaccine
- Find top 10 IPC codes for the company Huawei
- Query for all documents classified under *complete machine for making continuous webs of paper of cylinder type*

4 minutes: time remaining

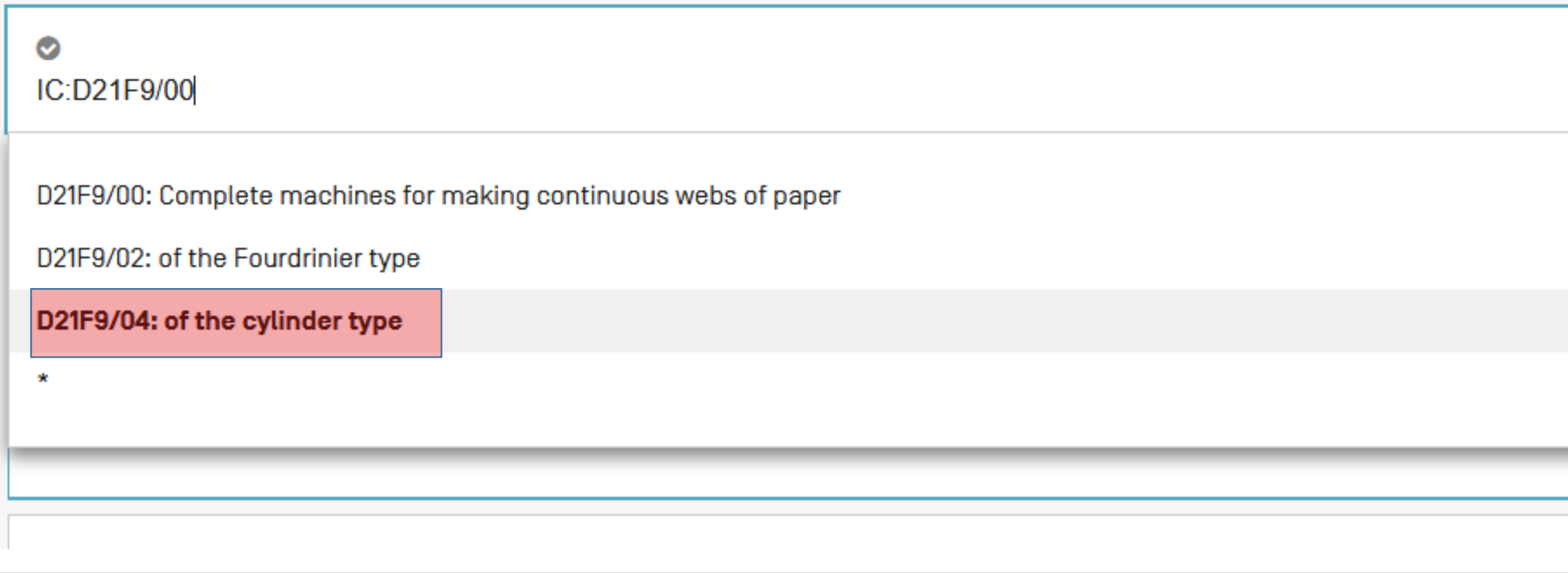
- Find 5 IPC codes related to COVID-19 vaccine



Find top 10 IPC codes for the company Huawei



Query for all documents classified under *complete machine for making continuous webs of paper of cylinder type*



Operators

To combine more than one field (within fields + between fields):

- AND: all of the search terms A and B
- OR: one term or the other A or B
- NOT: all search terms except A all except A
- ANDNOT: search term A excluding B A excluding B
- BEFORE: the order of terms is significant A before B
- NEAR: words next to each other - order not relevant A NEAR B

Exercises

- How to search:
  - electric bicycle making sure that the order of words is respected, not using “..”
  - all results with either car or wagon
  - all results containing both wood and oven
  - documents with wood oven with no more than 5 words between them

3 minutes: time remaining

- electric bicycle making sure that the order of words is respected, not using ".."

  electric BEFORE bicycle

- all results with either car or wagon car OR wagon

- all results containing both wood and oven wood AND oven

- documents with wood oven with no more than 5 words between them

  wood NEAR5 oven

Grouping: (.....)

- Specify order search terms and operators should be interpreted

Only term right after field will be search if no parenthesis is used

- EN_TI: electric car

electric will be searched in English title but car in all fields

- EN_TI: (electric car)

both electric and car will be searched in the English title

Exercises

Build a query to search all patent documents:

1. a. electric bicycle in the English abstract

   b. applicant = yamaha motor

3 queries: from the most specific to a broader version

2. the search term solar or the combination of search terms wind/turbine in the English description

4 minutes: time remaining

1. a. electric bicycle in the English abstract

   b. applicant = yamaha motor

EN_AB: («electric bicycle») AND PA: (yamaha motor)

EN_AB: (electric before bicycle) AND PA: (yamaha motor)

EN_AB: (electric NEAR5 bicycle) AND PA: (yamaha motor)

2. the search term solar or the combination of search terms wind/turbine in the English description

EN_DE: (solar OR (wind AND turbine))

Range search

- Range:
  - Date:

    DP:[01.01.2000 TO 01.01.2001]

  - Can also be used to search non-date fields

    IN: {Smith to Terence}

  - All information [* TO *]

    NPCC:[*TO*]
  - Not all information ![*TO*]

Exercises

1. search for PCT patents which application date is between 2008 and 2011, national phase office is CN

2. patents/applications that have a DE patent as a priority and this IPC code C10L1/00

3. 2020 WO publications with receiving office = EPO

4. 2019 WO publications with the international searching authority is NOT the EPO.

5 minutes: time remaining

1. search for PCT patents which application date is between 2008 and 2011, national phase office is CN

AD:(2008 OR 2009 OR 2010 OR 2011) AND CTR:WO AND NPCC:CN

AD:[2008 TO 2011] AND CTR:WO AND NPCC:CN

AD = Application date

[… TO…] = date range

CTR= country

WO = PCT

NPCC = national phase office code

CN= China

2. patents/applications that have a DE patent as a priority and this IPC code C10L1/00

IC:(C10L1/00) AND PCN:DE

IC= International Classification

PCN = Priority Country

Germany = DE

"A23K 50/40", A23K50/40, A23K-50/40

3. 2020 WO publications with receiving office being the EPO

[CTR:WO AND] DP:2020 AND ANID:EP*

CTR = Country

DP: publication date

ANID = receiving office

EPO = EP

* = to cover all digits following EP

4. 2019 WO publications with the international searching authority (ISA) is NOT being the EPO.

CTR:WO AND DP:2019 ANDNOT ISA:EP

CTR = Country WO

DP: publication date

ISA = international search authority

ANDNOT

EPO = EP

4bis. What is the difference with those 2 other queries?

CTR:WO AND DP:2019 ANDNOT ISA:EP

CTR:WO AND (DP:2019 ANDNOT ISA:EP)

4.2019 WO publications with the international searching authority (ISA) is NOT being the EPO.

(CTR:WO AND DP:2019) ANDNOT ISA:EP

4bis. What is the difference with those 2 other queries?

No difference! (…) are ignored when ANDNOT

5. patent applications from France seeking protection in USA in year 2012

6. all PCT applications with USPTO as PCT search authority

7. total number of applications filed by Hong Kong-based applicants, and then find out the percentage of applications that entered into the national phase.

8. limit the result to US grants

5 minutes: time remaining

5. PCT patent applications from France seeking protection in USA in year 2012

AN:FR* AND NPCC:US AND DP:2012

AN = application number

NPCC = national phase office code

DP = publication date

France = FR

USA = US

6. all PCT applications with USPTO as PCT search authority

ISA:US

ISA = international search authority

Field only available for PCT applications therefore no need to specify a field for PCT applications

7. total number of applications filed by Hong Kong-based applicants, and then find out the percentage of applications that entered into the national phase

ARE:(HK) AND NPCC:[* TO *]

ARE = applicant residence to be used with country code

HK = Hong Kong

NPCC = national phase office code

[* TO *] = to search all information

8. limit the result to US grants

CTR:US AND GN:[* TO *]

CTR: collection

US= United Stated

GN = grant number

[* TO *] = all the information available

9. How to search the non- full-text of the English collection?

10. **EN_AB:(lithium) AND OF:CN AND AD:[01.01.2016 TO 01.01.2017]**
What documents will this query retrieve?

11. How to search non-priority PCT applications?

12. How to search the number of PCT applications from Poland in 2019

13. How to search all grants by Apple?

5 minutes: time remaining

9. How to find the GB documents without full-text?

CTR:GB AND !EN_DE:[* TO *]

CTR= collection

GB = Great Britain

[* TO *] = all the information available

! = empty field

EN_DE= English description

10. EN_AB:(lithium) AND OF:CN AND AD:[01.01.2016 TO 01.01.2017]

What documents will this query retrieve?

- Documents:
  - Containing *lithium* in the English abstract (EN_AB)
  - from the Chinese national collection and the national phase entries in China of PCT applications (OF = combination of national patents + national phase entries)
  - With an application date from January 1st 2016 to January 1st 2017

    (AD = application date – [… TO…] = date range)

11. How to search PCT applications not claiming priority published in 2016?

CTR:WO AND DP:2016 ANDNOT PI:[* TO *]

CTR= country/collection

DP= publication date

PI= priority all data

[* TO *] = all the information available

ANDNOT= inclusion of the item following

12. How to search the number of PCT applications from Poland in 2019

AN:PL2019*

AN = application number

PL: Poland

* = to cover all number after 2019: PCT/PL2019

13. How to search all grants by Apple?

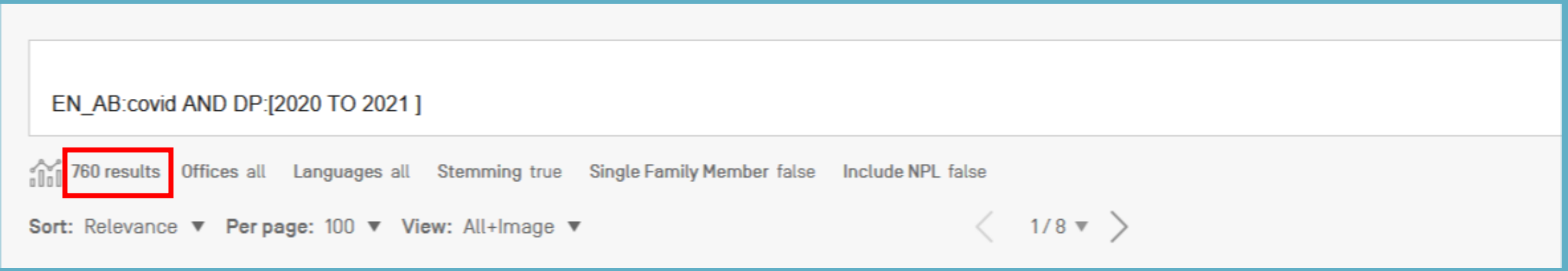
PA:Apple AND GN:[* TO *]

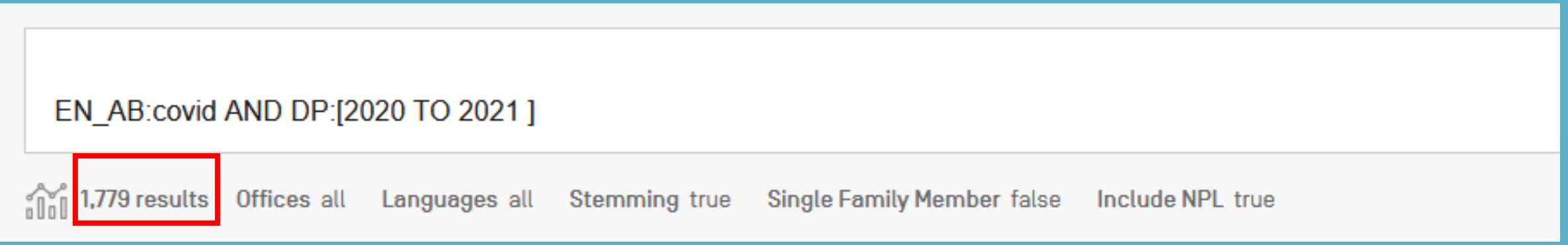
PA = applicant name

GN = grant number

[* TO *] = all the information available

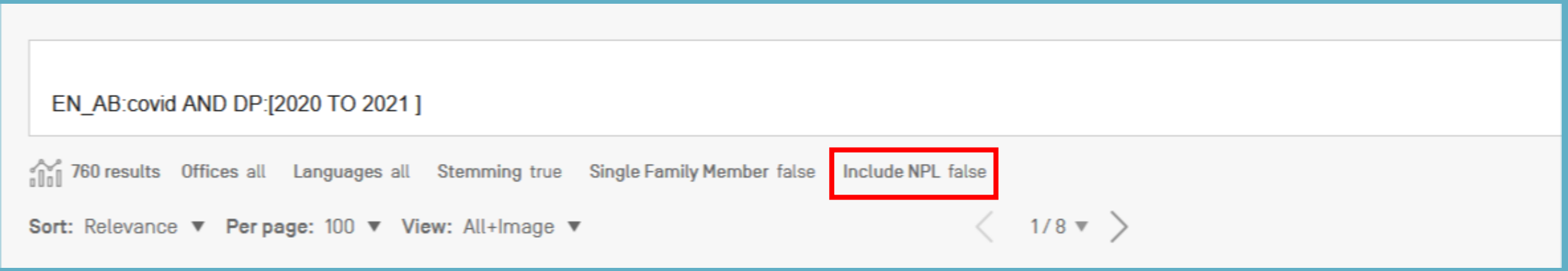
14. Why is the number of results different?:

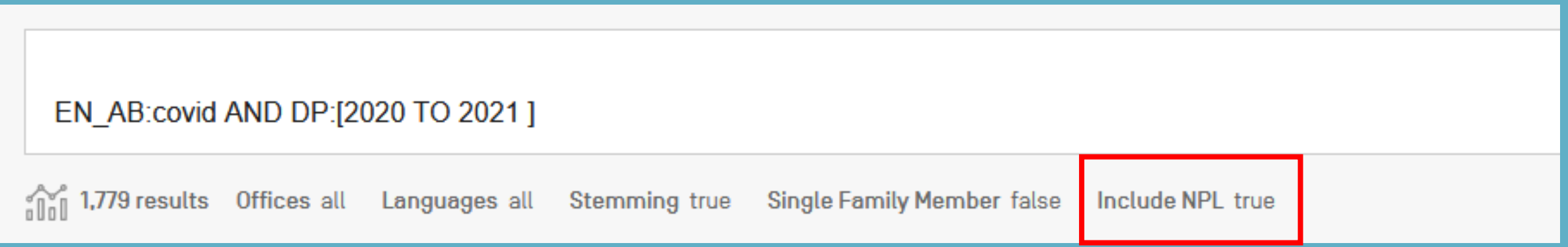




1 minute: time remaining

14. Why is the number of results different:





15. Build to search for patent documents related to cat food:

a. IPC

b. CPC

16. Build a query to retrieve patent documents about collapsible bicycle helmet

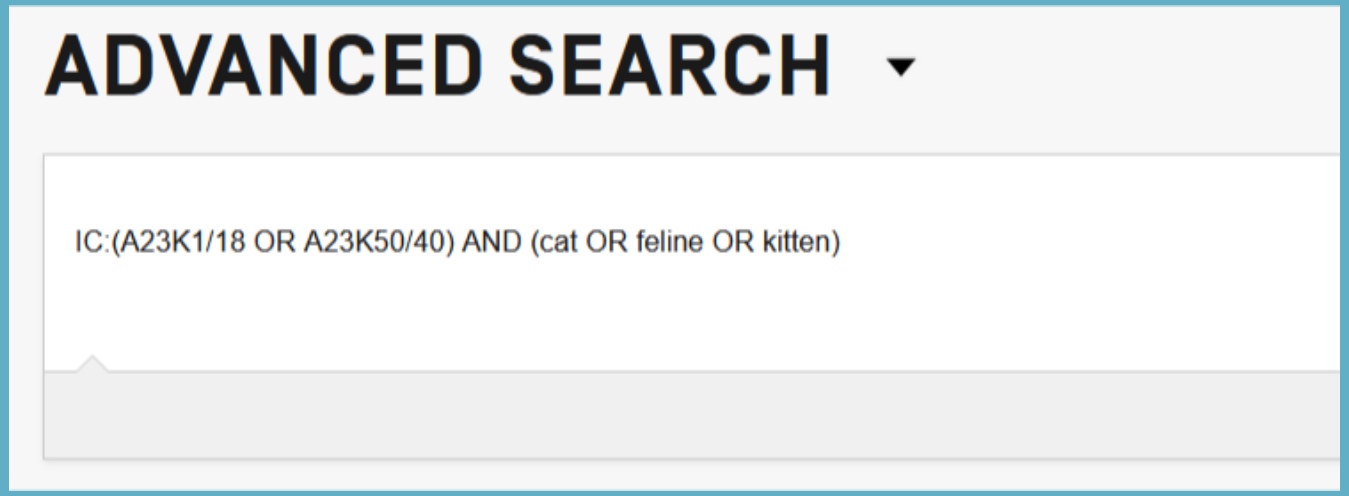
17. Build a query to search for patent documents related to ocean wave electricity generator

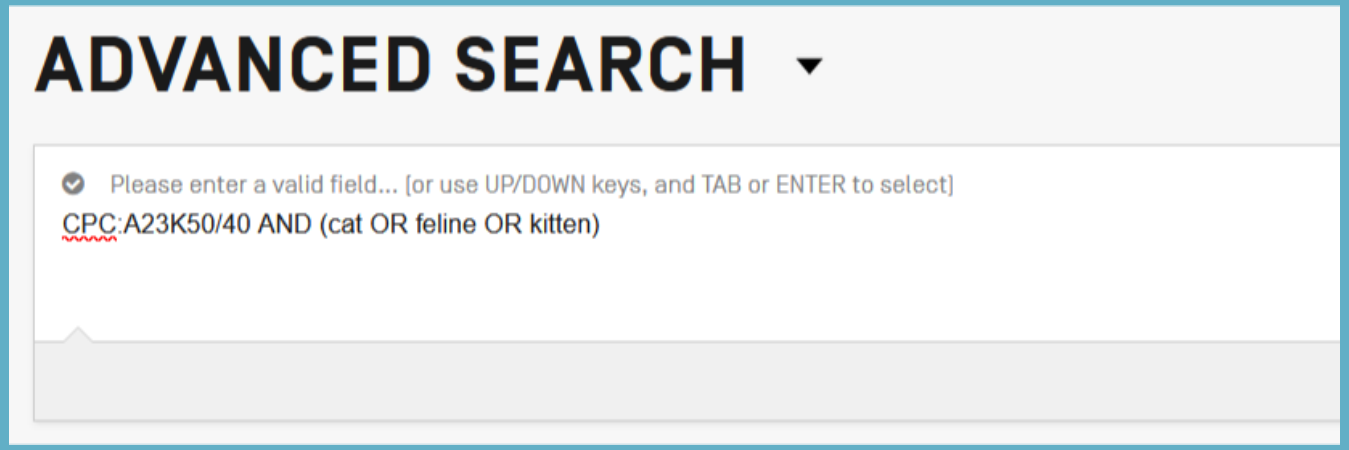
5 minutes: time remaining

15. Search for patent documents related to cat food:

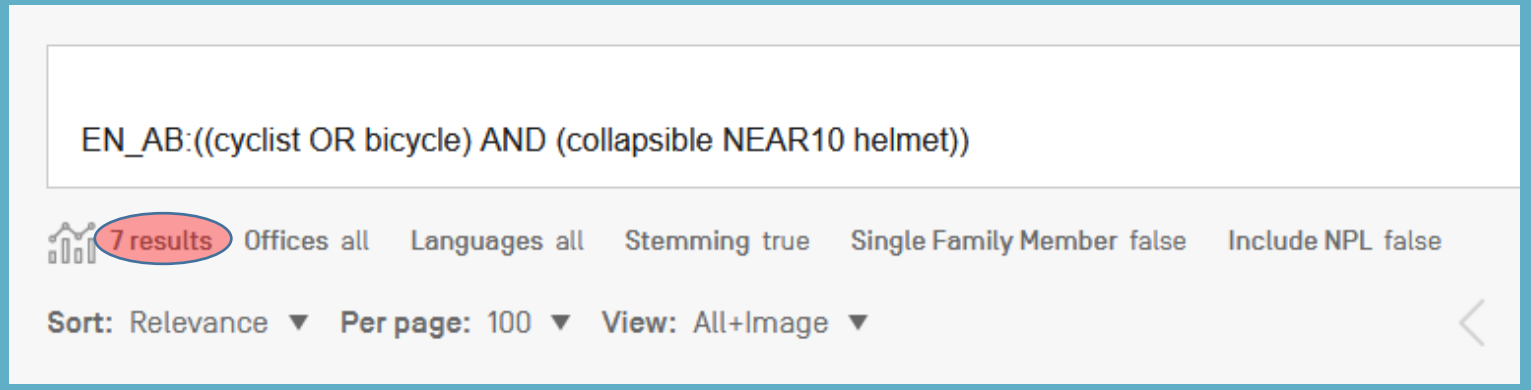
a. IPC

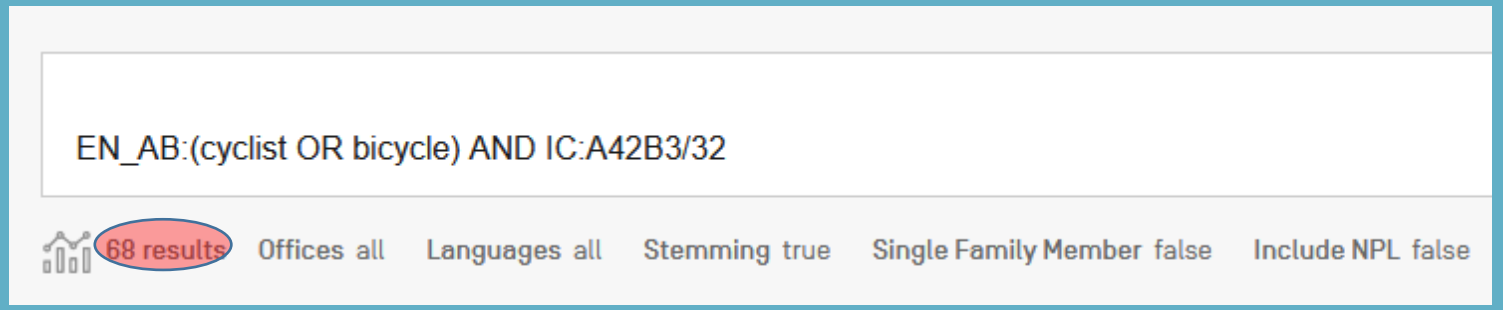
b. CPC



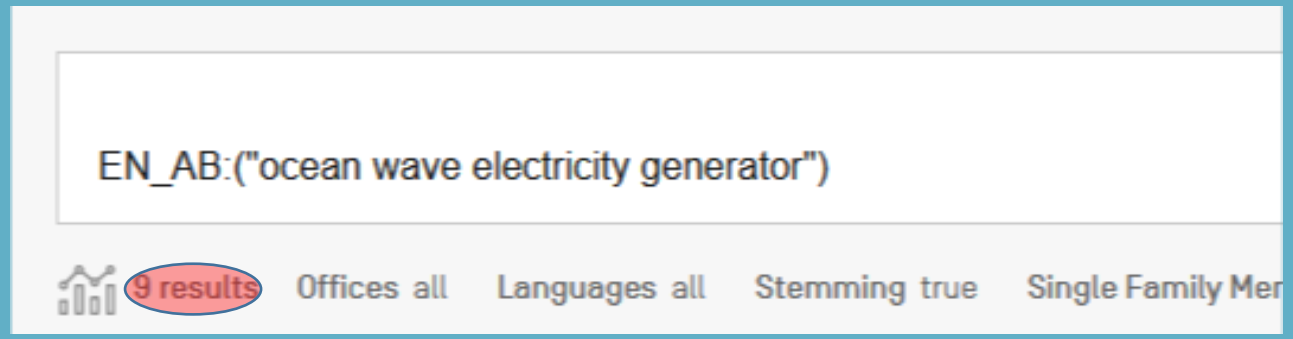


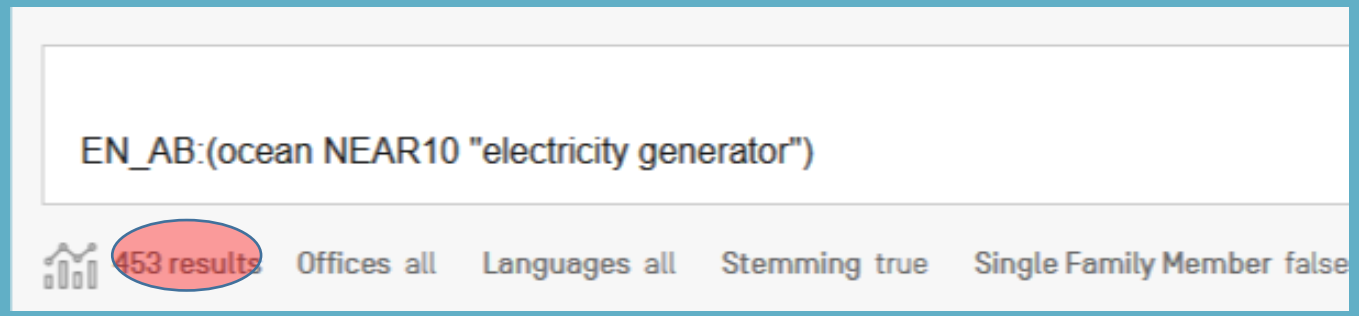
16. Build a query to retrieve collapsible bicycle helmet

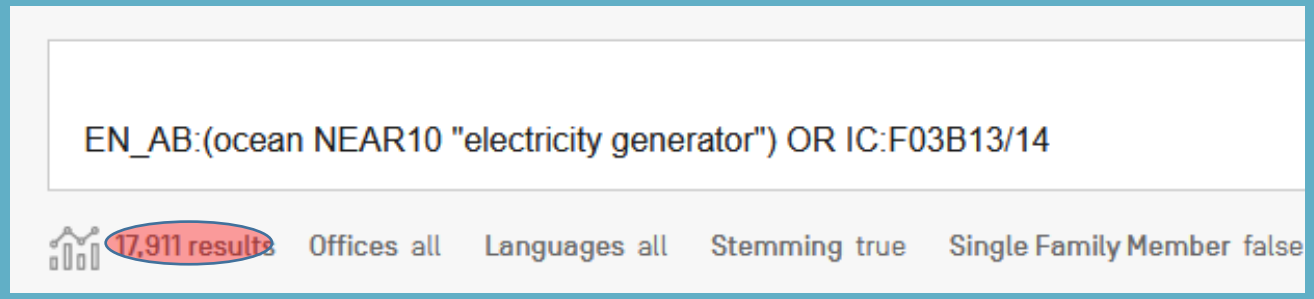




17. Build a query to search for patent documents related to ocean wave electricity generator







18. Build a query containing:

a. the applicant Canyon or Dupont or Volkswagen

b. Bicycle transport container in the English abstract or English description or English claims

19. Build following queries:

a.   OR 

b.   OR  

With a publication date in 2019 and in the English abstract

4 minutes: time remaining

18. Build a query containing the applicant Canyon or Dupont or Volkswagen and bicycle transport container in the English abstract or English description or English claims

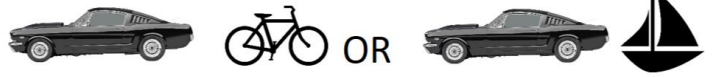
PA: (canyon OR dupont OR volkswagen) AND (EN_AB:(bicycle AND transport NEAR 10 container) OR EN_DE:(bicycle AND transport NEAR 10 container) OR EN_CL:(bicycle AND transport NEAR 10 container))

19. Build query with car, bicycle, boat

a. DP:2019 AND EN_AB:((car AND bicycle) OR boat)

b. DP: 2019 AND EN_AB:(car AND (bicycle OR boat))

a. 

b. 

- 20 How many patent documents of Patagonia Inc. can be found in PATENTSCOPE with a publication date in 2015 and related to watersports?

3. 2890607 WATERSPORTS INFLATION VEST

EP - 08.07.2015

Int.Class B63C 9/125 Appl.No 13742767 Applicant PATAGONIA INC Inventor CHOUINARD FLETCHER

A selectively inflatable watersports inflation device is disclosed. The device is a vest or another wearable device having an inner layer [103], an outer layer, and a bladder [104] between the inner and outer layers. The device also includes one or more canisters [114] coupled to the bladder and configured to selectively deliver pressurized gas into the bladder to provide flotation when actuated. The device also includes a pressure release valve that can also be manually actuated to release pressure from the bladder. The device can include multiple discrete canisters that can each be deployed independently of one another to provide an inflatable device that can be triggered multiple times even in hazardous conditions such as high surf.

4. 2013309473 WATERSPORTS INFLATION VEST

AU - 02.04.2015

Int.Class B63C 9/125 Appl.No 2013309473 Applicant Patagonia, Inc. Inventor

A selectively inflatable watersports inflation device is disclosed. The device is a vest or another wearable device having an inner layer [103], an outer layer, and a bladder [104] between the inner and outer layers. The device also includes one or more canisters [114] coupled to the bladder and configured to selectively deliver pressurized gas into the bladder to provide flotation when actuated. The device also includes a pressure release valve that can also be manually actuated to release pressure from the bladder. The device can include multiple discrete canisters that can each be deployed independently of one another to provide an inflatable device that can be triggered multiple times even in hazardous conditions such as high surf.

		SHAW CASEY	1	a41d 13/02	1	2015-09 0
				a41d 2400/44	1	2015-10 2
						2015-11 0
						2015-12 2

PUBLICATION_DATE=2015 APPLICANT_NAME=PATAGONIA INC

Next session: July 21

- use of the caret
- stemming
- wildcards
- truncation
- fuzzy searches

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Online registration

PATENTSCOPE: an overview
July 15, 2021 (English) 08:30 - 09:30 Geneva time
Online registration

PATENTSCOPE Summer Course – Session 2
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