Simple PCT Families

DEFINITION

A PCT simple family means a patent family relating to the same invention, each member of which has for the basis of its “priority right” exactly the same originating application or applications. The family contains at least one PCT application as a member.

The family includes
a) a PCT member which is considered to be the main representative of the family; it will always show up in the result list
b) national applications that have specified a prior PCT application;
c) national entry phase records and
d) priority application of the PCT application when unique and first publication

Remarque:

a) US Provisionals:

1. They are only ignored if there is another genuine first filing
2. They are considered if there is no other genuine filing (most common case) and they generate families with the provisional as a first filing (release 2, US related references), currently this is found in the 'Other related publications' family.

b) Republications

Different republications by the same office are considered one single record containing the latest republication.

1) **First filing with the IB, no national priorities**

Def: The initial WO filing together with all the subsequent NPEs and national applications that claim the initial WO as a priority

a)no priority at all

Priorities	PCT	National Phase Entries	Nationals
	WO1	NPE1	
		NPE2	
		NPE3	
		NPE4	

WO1			N1

Family: WO1,NPE1, NPE2, NPE3, NPE4,N1

b)WO priority

Priorities	PCT	National Phase Entries	Nationals
WO0	WO1	NPE1	
		NPE2	
		NPE3	
		NPE4	

Family: WO0, WO1,NPE1, NPE2, NPE3, NPE4,N1

2) WO with a single priority

Def: a group of WO patent filings that claim the priority of a single filing, including the original priority forming filing itself together with all the subsequent NPEs and national applications that claim the WO as a priority.

Example:

Priorities	PCT	National Phase Entries	Nationals
P1	WO1	NPE11	
		NPE12	
		NPE13	
		NPE14	
P1	WO2	NPE21	
		NPE22	
WO1			N1
WO2			N2

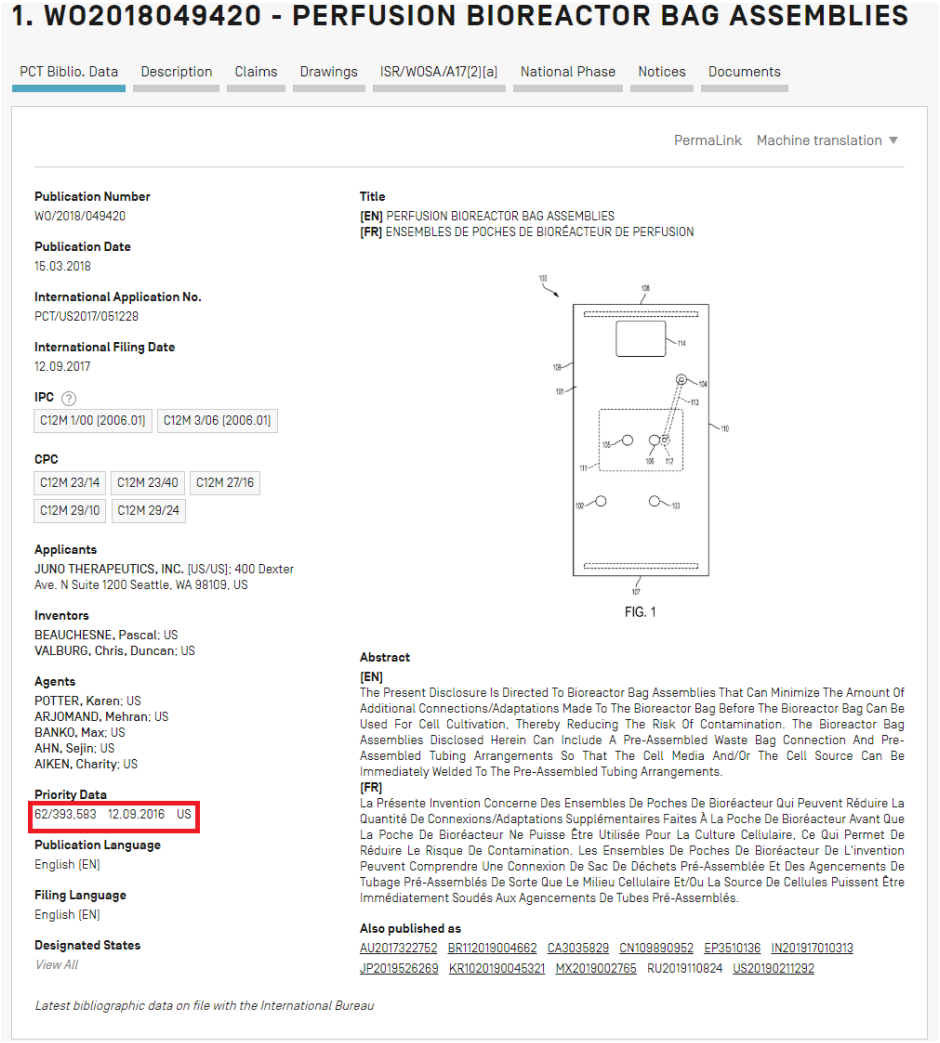
Family: P1, WO1, WO2, NPE11, NPE12, NPE13, NPE14, NPE21, NPE22, N1, N2

Example:

Type1: WO with a single US provisional priority. It has 12 members while the corresponding EP family has 10 members (RU and IN missing)

https://patentscope.wipo.int/search/en/detail.jsf?docId=wo2018049420 (PFM_PCT_ID=3255423)

https://worldwide.espacenet.com/patent/search/family/059955681/publication/WO2018049420A1?q=%09WO2018049420



1. WO2018049420 - PERFUSION BIOREACTOR BAG ASSEMBLIES

PCT Biblio. Data | Description | Claims | Drawings | ISR/WOSA/A17[2][a] | National Phase | Notices | Documents

PermaLink | Machine translation

Publication Number
WO/2018/049420

Publication Date
15.03.2018

International Application No.
PCT/US2017/051228

International Filing Date
12.09.2017

IPC
C12M 1/00 [2006.01] | C12M 3/06 [2006.01]

CPC
C12M 23/14 | C12M 23/40 | C12M 27/16 | C12M 29/10 | C12M 29/24

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Priority Data
62/393,583 12.09.2016 US

Publication Language
English (EN)

Filing Language
English (EN)

Designated States
View All

Title
(EN) PERFUSION BIOREACTOR BAG ASSEMBLIES
(FR) ENSEMBLES DE POCHES DE BIORÉACTEUR DE PERFUSION

FIG. 1

Abstract
(EN)
The Present Disclosure Is Directed To Bioreactor Bag Assemblies That Can Minimize The Amount Of Additional Connections/Adaptations Made To The Bioreactor Bag Before The Bioreactor Bag Can Be Used For Cell Cultivation, Thereby Reducing The Risk Of Contamination. The Bioreactor Bag Assemblies Disclosed Herein Can Include A Pre-Assembled Waste Bag Connection And Pre-Assembled Tubing Arrangements So That The Cell Media And/Or The Cell Source Can Be Immediately Welded To The Pre-Assembled Tubing Arrangements.
(FR)
La Présente Invention Concerne Des Ensembles De Poches De Bioréacteur Qui Peuvent Réduire La Quantité De Connexions/Adaptations Supplémentaires Faites À La Poche De Bioréacteur Avant Que La Poche De Bioréacteur Ne Puisse Être Utilisée Pour La Culture Cellulaire, Ce Qui Permet De Réduire Le Risque De Contamination. Les Ensembles De Poches De Bioréacteur De L'invention Peuvent Comprendre Une Connexion De Sac De Déchets Pré-Assemblée Et Des Agencements De Tubage Pré-Assemblés De Sorte Que Le Milieu Cellulaire Et/Ou La Source De Cellules Puissent Être Immédiatement Soudés Aux Agencements De Tubes Pré-Assemblés.

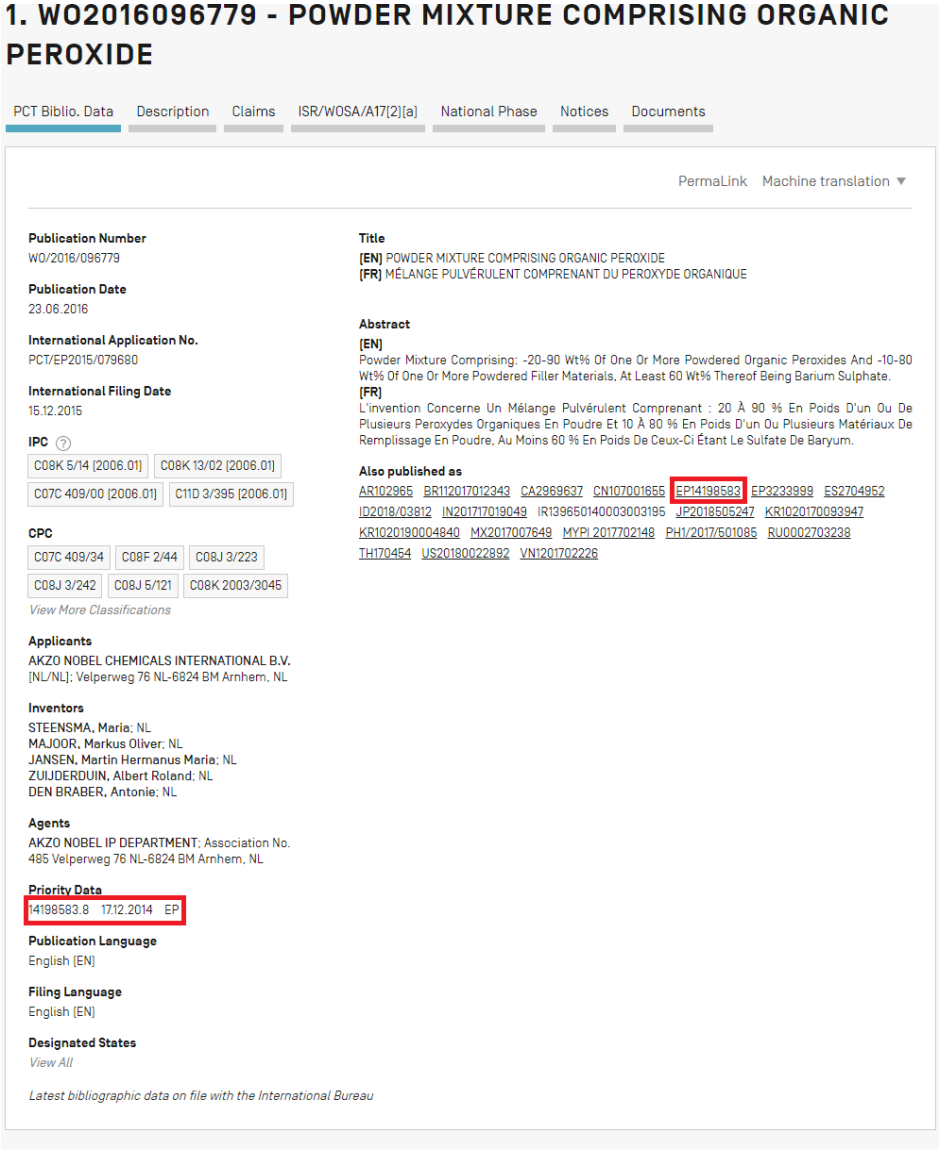
Also published as
AU2017322752 | BR112019004662 | CA3035829 | CN109890952 | EP3510136 | IN201917010313 | JP2019526269 | KR1020190045321 | MX2019002765 | RU2019110824 | US20190211292

Latest bibliographic data on file with the International Bureau

Type2: WO with a single priority identified (or multiple priorities, but only one non-provisional) This family (PFM_ID_PCT=2868761) has 20 members in our patent families and 19 in EPO, but the members differ. Our patent family has ID,IN,IR,MY,TH,VN as a member, while EPO has PL,TR,TW

https://patentscope.wipo.int/search/en/detail.jsf?docId=WO2016096779&_cid=P20-K5FG39-75029-1

https://worldwide.espacenet.com/patent/search/family/052133921/publication/WO2016096779A1?q=2016096779



1. WO2016096779 - POWDER MIXTURE COMPRISING ORGANIC PEROXIDE

PCT Biblio. Data | Description | Claims | ISR/WOSA/A17[2][a] | National Phase | Notices | Documents

PermaLink Machine translation

Publication Number
WO/2016/096779

Publication Date
23.06.2016

International Application No.
PCT/EP2015/079680

International Filing Date
15.12.2015

IPC
C08K 5/14 [2006.01] C08K 13/02 [2006.01]
C07C 409/00 [2006.01] C11D 3/395 [2006.01]

CPC
C07C 409/34 C08F 2/44 C08J 3/223
C08J 3/242 C08J 5/121 C08K 2003/3045
View More Classifications

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Priority Data
14198583.8 17.12.2014 EP

Publication Language
English [EN]

Filing Language
English [EN]

Designated States
View All

Latest bibliographic data on file with the International Bureau

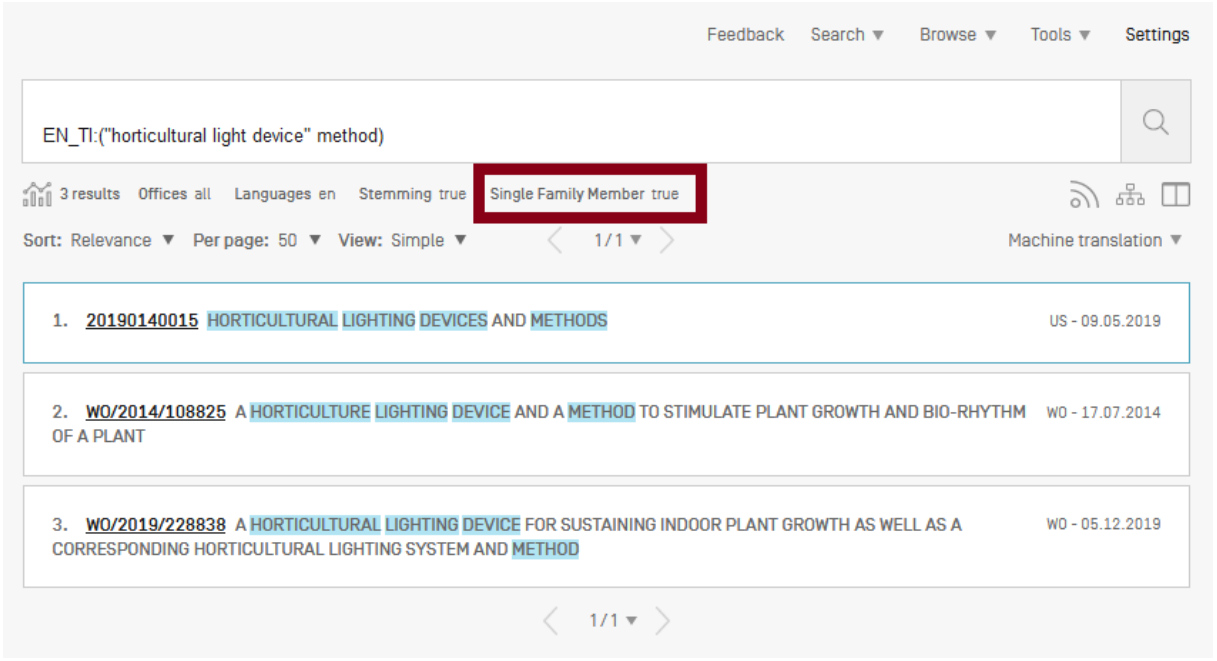
Title
[EN] POWDER MIXTURE COMPRISING ORGANIC PEROXIDE
[FR] MÉLANGE PULVÉRULENT COMPRENANT DU PEROXYDE ORGANIQUE

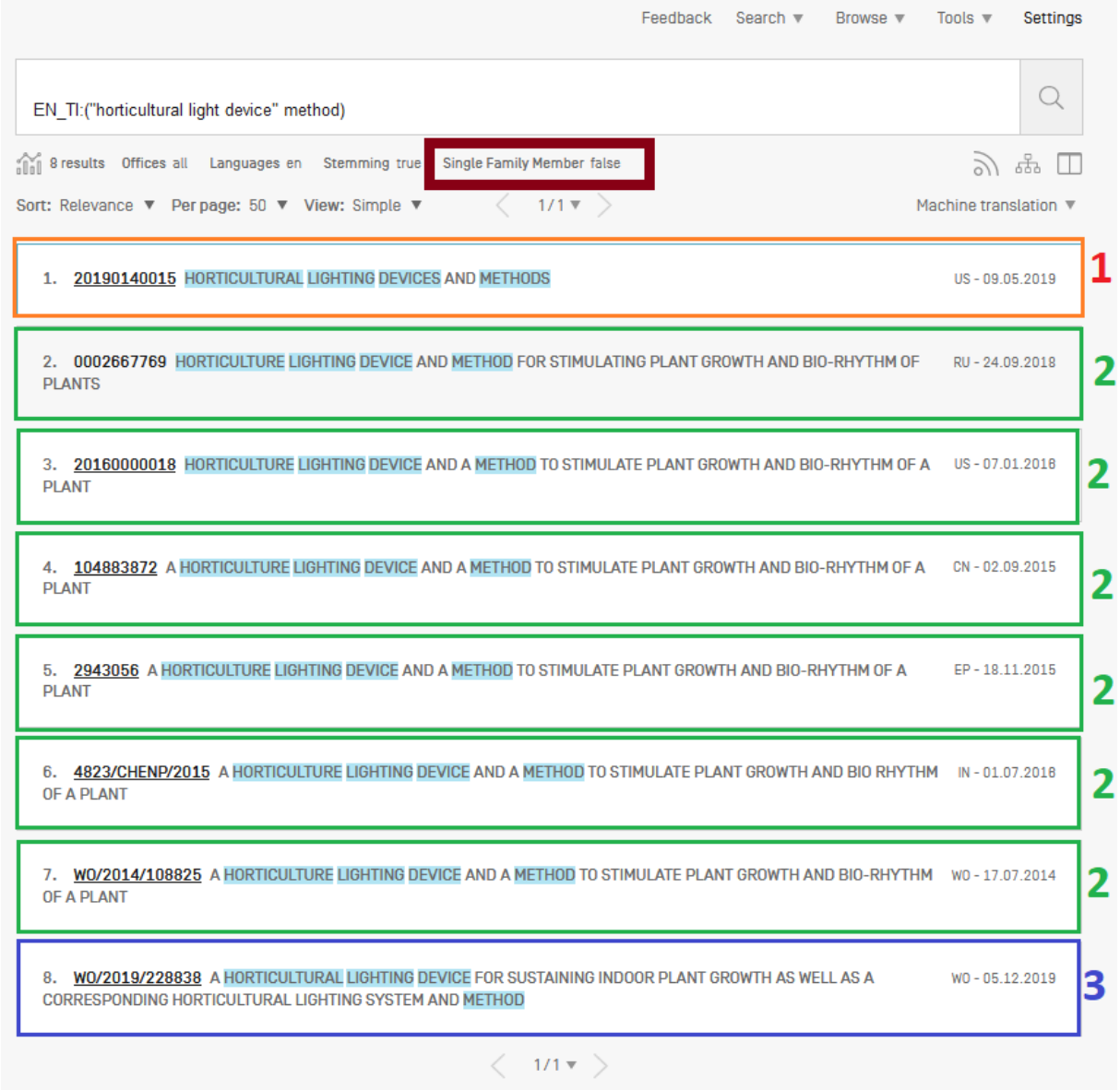
Abstract
[EN]
Powder Mixture Comprising: -20-90 Wt% Of One Or More Powdered Organic Peroxides And -10-80 Wt% Of One Or More Powdered Filler Materials, At Least 60 Wt% Thereof Being Barium Sulphate.
[FR]
L'invention Concerne Un Mélange Pulvérulent Comprenant : 20 À 90 % En Poids D'un Ou De Plusieurs Peroxydes Organiques En Poudre Et 10 À 80 % En Poids D'un Ou Plusieurs Matériaux De Remplissage En Poudre, Au Moins 60 % En Poids De Ceux-Ci Étant Le Sulfate De Baryum.

Also published as
AR102965 BR112017012343 CA2969637 CN107001655 EP14198583 EP3233999 ES2704952
ID2018/03812 IN201717019049 IR139650140003003195 JP2018505247 KR1020170093947
KR1020190004840 MX2017007649 MYPI 2017702148 PH1/2017/501085 RU0002703238
TH170454 US20180022892 VN1201702226

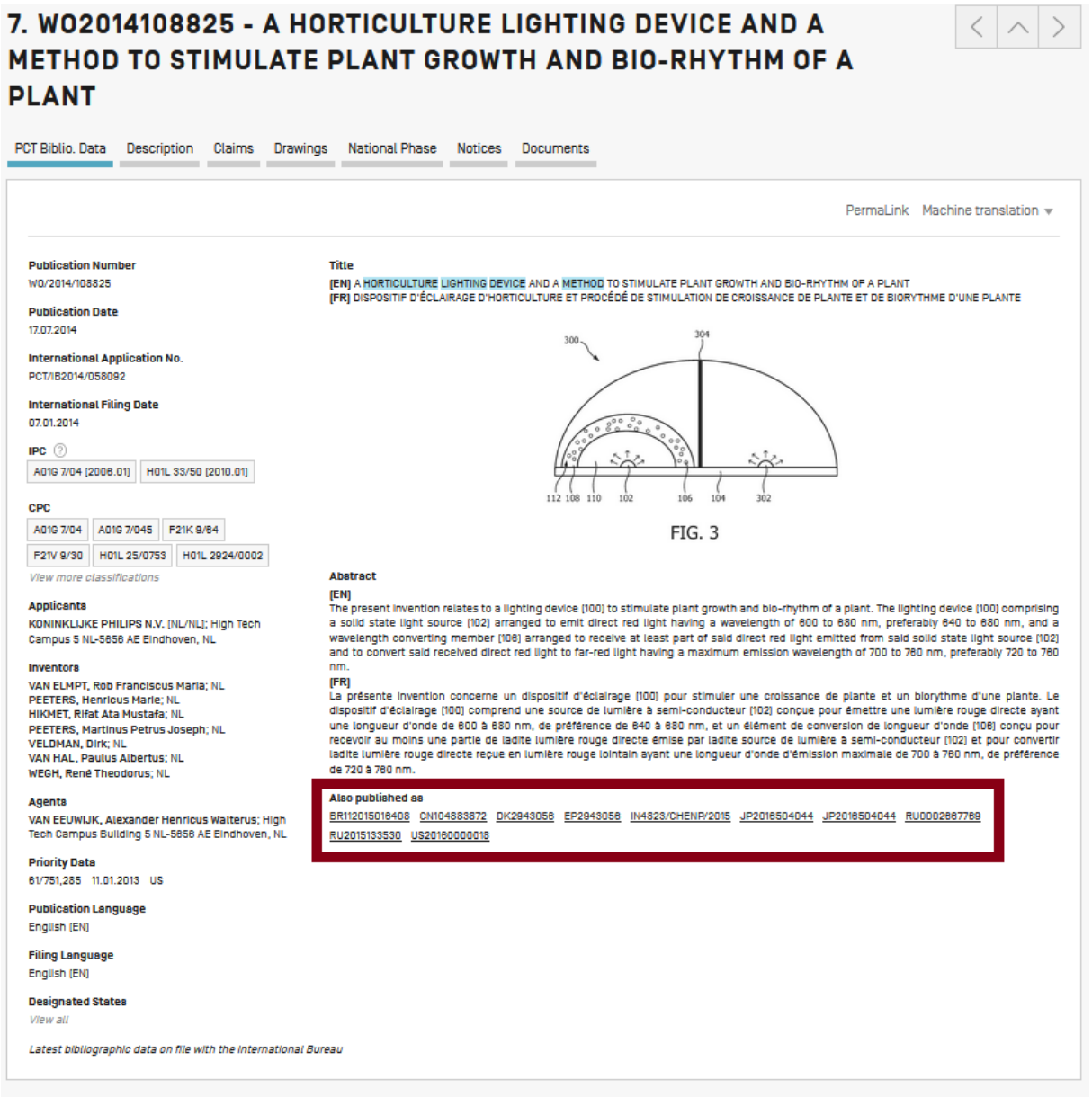
EXAMPLES

For the query: EN_TI:("horticultural light device" method) there are 3 families and 8 publications


Feedback
Search
Browse
Tools
Settings
EN_TI:("horticultural light device" method)
3 results
Offices all
Languages en
Stemming true
Single Family Member true
Sort: Relevance
Per page: 50
View: Simple
1/1
Machine translation
1. 20190140015 HORTICULTURAL LIGHTING DEVICES AND METHODS
US - 09.05.2019
2. WO/2014/108825 A HORTICULTURE LIGHTING DEVICE AND A METHOD TO STIMULATE PLANT GROWTH AND BIO-RHYTHM OF A PLANT
WO - 17.07.2014
3. WO/2019/228838 A HORTICULTURAL LIGHTING DEVICE FOR SUSTAINING INDOOR PLANT GROWTH AS WELL AS A CORRESPONDING HORTICULTURAL LIGHTING SYSTEM AND METHOD
WO - 05.12.2019
1/1



You can see the family members when you open up one of the WO applications:



7. WO2014108825 - A HORTICULTURE LIGHTING DEVICE AND A METHOD TO STIMULATE PLANT GROWTH AND BIO-RHYTHM OF A PLANT

PCT Biblio. Data | Description | Claims | Drawings | National Phase | Notices | Documents

PermaLink | Machine translation

Publication Number
WO/2014/108825

Publication Date
17.07.2014

International Application No.
PCT/IB2014/058092

International Filing Date
07.01.2014

IPC
A01G 7/04 (2006.01) | H01L 33/50 (2010.01)

CPC
A01G 7/04 | A01G 7/045 | F21K 9/64 | F21V 9/30 | H01L 25/0753 | H01L 2924/0002
View more classifications

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Priority Data
61/751,285 11.01.2013 US

Publication Language
English (EN)

Filing Language
English (EN)

Designated States
View all

Latest bibliographic data on file with the International Bureau

Title
(EN) A HORTICULTURE LIGHTING DEVICE AND A METHOD TO STIMULATE PLANT GROWTH AND BIO-RHYTHM OF A PLANT
(FR) DISPOSITIF D'ÉCLAIRAGE D'HORTICULTURE ET PROCÉDÉ DE STIMULATION DE CROISSANCE DE PLANTE ET DE BIORYTHME D'UNE PLANTE

FIG. 3

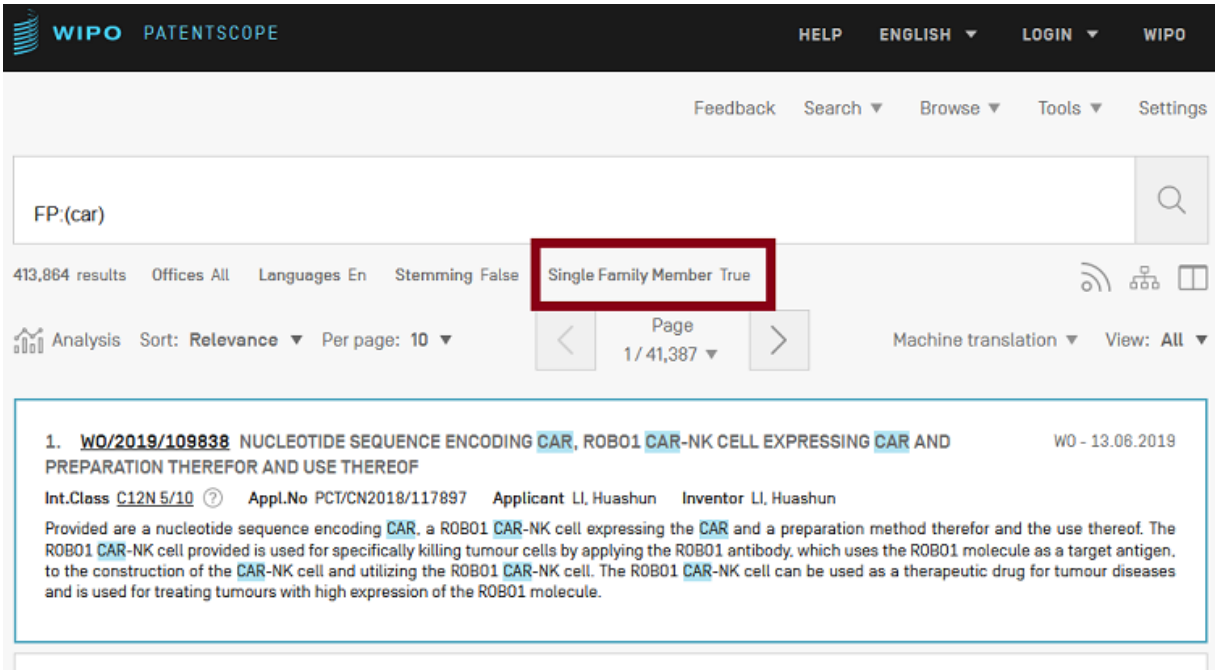
Abstract
(EN)
The present invention relates to a lighting device (100) to stimulate plant growth and bio-rhythm of a plant. The lighting device (100) comprising a solid state light source (102) arranged to emit direct red light having a wavelength of 600 to 680 nm, preferably 640 to 680 nm, and a wavelength converting member (108) arranged to receive at least part of said direct red light emitted from said solid state light source (102) and to convert said received direct red light to far-red light having a maximum emission wavelength of 700 to 760 nm, preferably 720 to 760 nm.
(FR)
La présente invention concerne un dispositif d'éclairage (100) pour stimuler une croissance de plante et un biorythme d'une plante. Le dispositif d'éclairage (100) comprend une source de lumière à semi-conducteur (102) conçue pour émettre une lumière rouge directe ayant une longueur d'onde de 600 à 680 nm, de préférence de 640 à 680 nm, et un élément de conversion de longueur d'onde (108) conçu pour recevoir au moins une partie de ladite lumière rouge directe émise par ladite source de lumière à semi-conducteur (102) et pour convertir ladite lumière rouge directe reçue en lumière rouge lointain ayant une longueur d'onde d'émission maximale de 700 à 760 nm, de préférence de 720 à 760 nm.

Also published as
BR112015016408 | CN104883872 | DK2943056 | EP2943056 | IN4823/CHENP/2015 | JP2016504044 | JP2018504044 | RU0002667769 | RU2015133530 | US20160000018

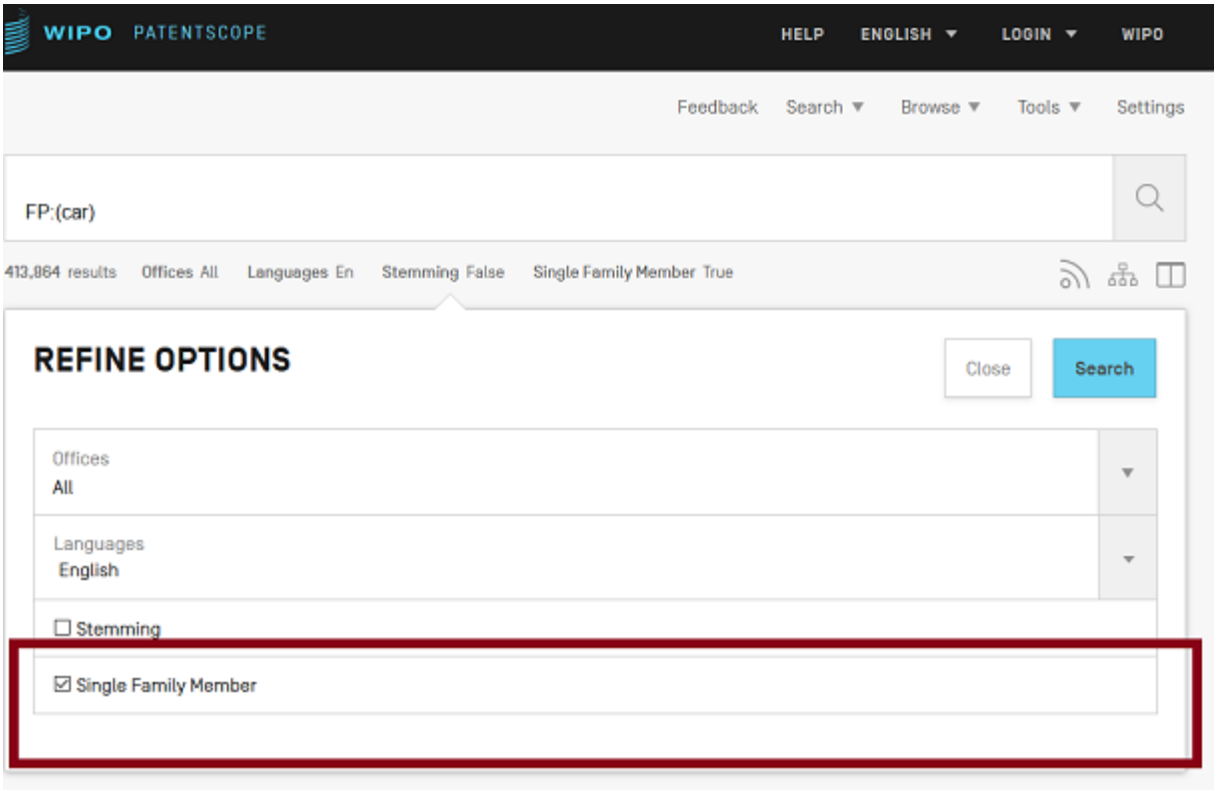
USAGE

The “Single Family Member” option is visible in the following places:

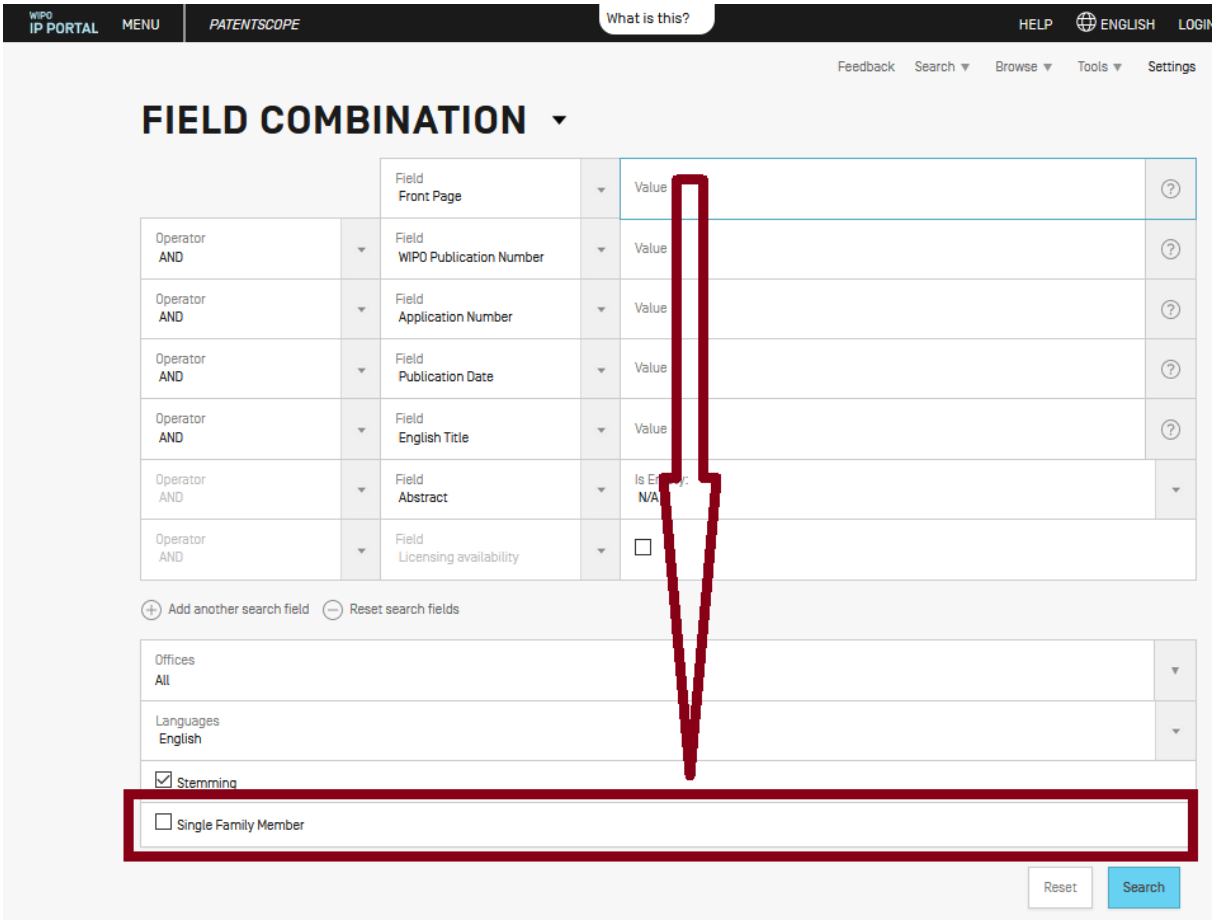
1) In the result list page, you can refine your query



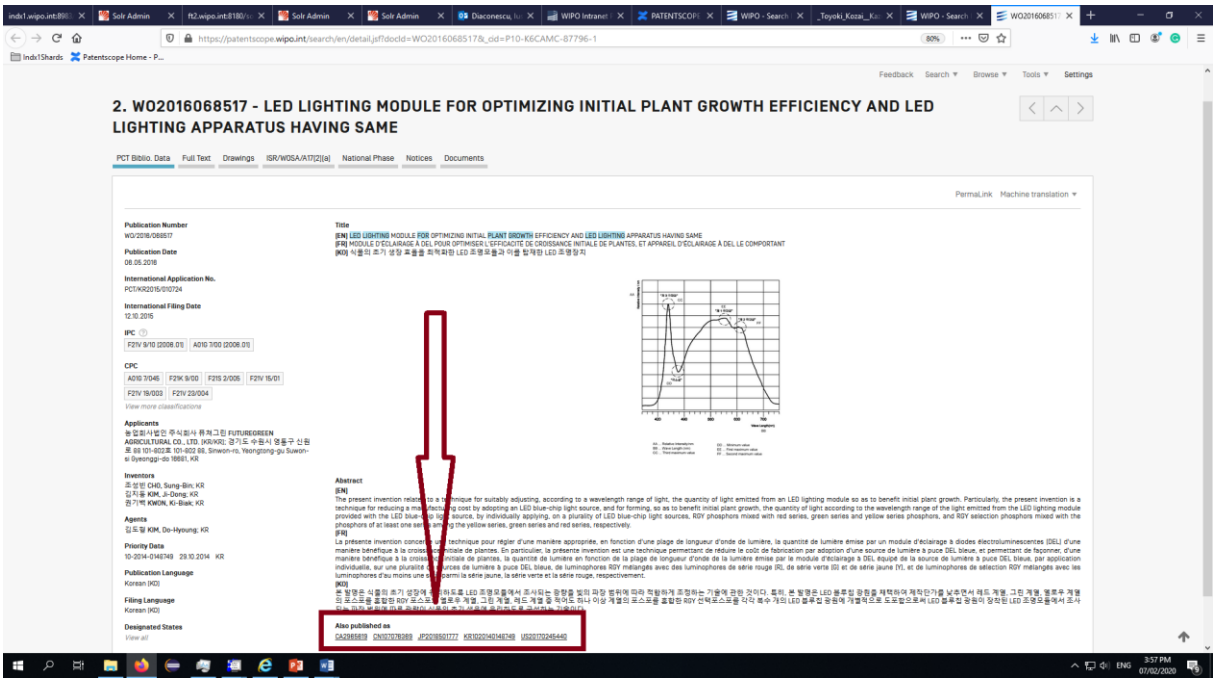
2) Advanced Search Form



3) Structured Search Form



4) You can see the family members of a WO application in the biblio data page



CPC searchable field

DEFINITION

The Cooperative Patent Classification (CPC) system, in force from 1 January 2013, is a bilateral system which has been jointly developed by the EPO and the USPTO. It combines the best classification practices of the two offices.

In PATENTSCOPE, the CPC values are imported from DocDB and national offices as follows:

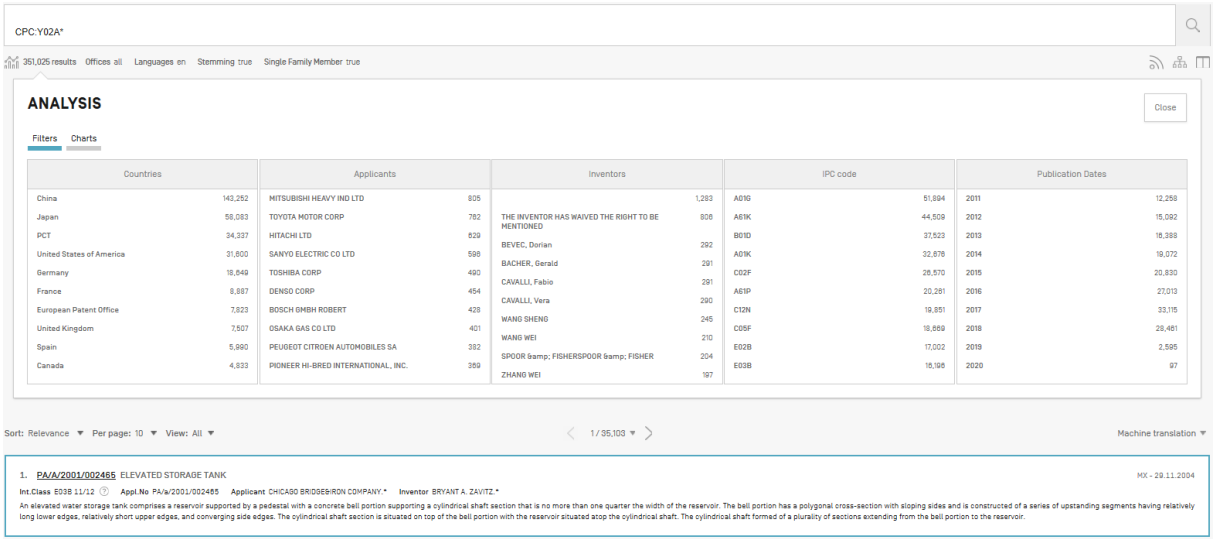
- 52 National offices+PCT: gathered regularly from DocDb and the national offices. As of today, our database contains more than 200 million of CPC entries, which correspond to more than 40 million of distinct filings.
- Search fields: CPC, Classif
- The Classif search field is a union of CPC and IPC.
- Daily updates

IP5	N. of distinct filings classified under CPC classification
US	11,019,736
CN	6,743,607
JP	4,848,323
EP	3,568,744
KR	2,058,568

Fig1. CPC statistics as of February 2020

SAMPLES

For the query: CPC:(Y02A*) the system returns 351k results, which are grouped by family.



Definition of the Y02A can be found at:
https://www.cooperativepatentclassification.org/cpc/scheme/Y/scheme-Y02B.pdf

USAGE

The CPC searchable field can be found in the Field Combination form or it can be enter manually in the Advanced Search Form