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Patent information from the ASEAN region

Session 3: Philippines, Vietnam and Myanmar



Cherry Joy Engelmänn, Jutta Haußer, Jürgen Mühl

Asian Patent Information Services

9 March 2021

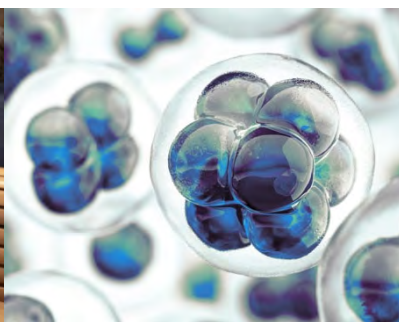


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Vietnam



Jutta Hausser



Worldwide IP



09 March 2021

Vietnam: General overview

Basic data

- Inhabitants: 97,8 million, density: 132.1/km² (16)
- First millennium AD Chinese “division”
- First monarchy 10th century – French colony 19th century
- Proclamation of Independence 1945, 1st Indochina War
- 1954: split of the country, Vietnam War,
- 1976: Reunification as communist state under unitary socialist government



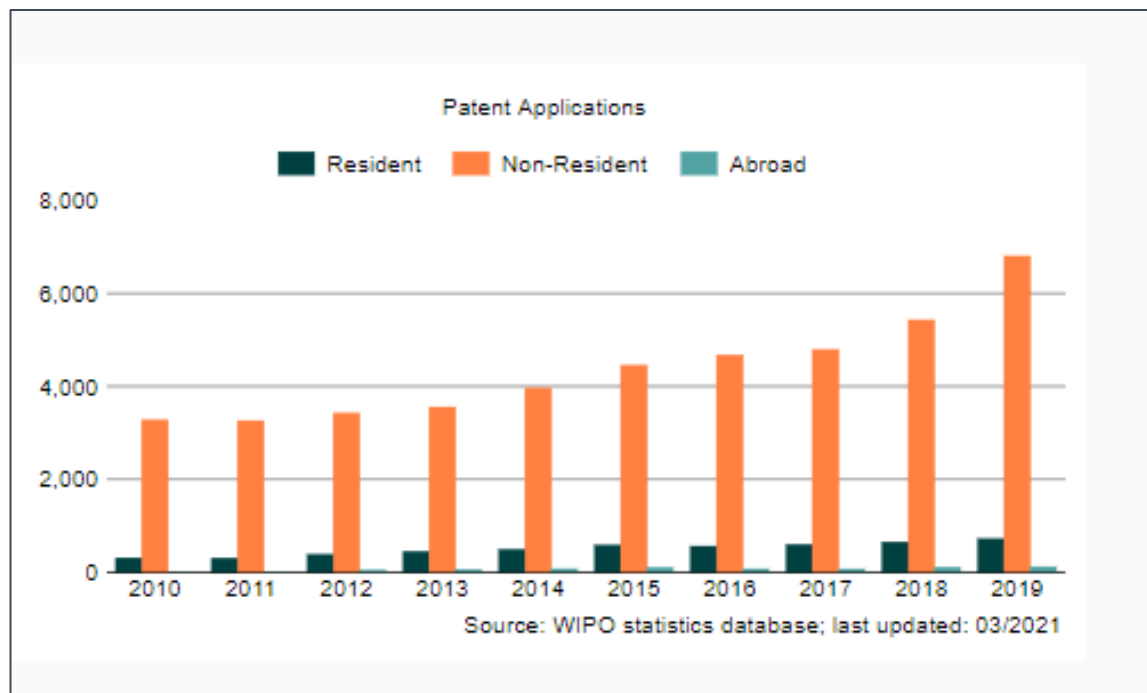
Economy

- GDP/capita (PPP): USD 3.498 (115th worldwide), “among fastest-growing countries”, problems like corruption, pollution, poverty, poor human rights records
- Export dependent: agricultural products (cashew nuts, black pepper, rice, coffee), tourism,
- Spending on science and technology 0.45% of GDP

Introduction to the patent system:

Evolution, filing figures, special features
of the patent system

Patent filings



Membership in IP-related treaties/ organisations

WTO (TRIPS): since 2007

Paris Convention: since 1949

WIPO: since 1967

PCT: since 1993

Filing authority

Department of Intellectual Property (DIP)

- **invention patent** (20 years; substantive examination, no PTE)
- **utility solution patents** (10 years; substantive examination (36 months from filing earliest priority day))

Evolution of the IP system

- Extension of French system to Vietnam (until 1945)
- 1989: first independent patent law
- 2010: last amendment

Special features of the patent system

Filing and examination

- filing in Vietnamese only
- multiple, partial and domestic priority allowed
- publication of application 18 months from
- conversion of patent application into petty patent application (and vice versa) possible

Substantive examination

Search and examination requirements

- no obligation to submit foreign search result, but recommended to accelerate procedure
- time limit for request for examination: 42 months from application or earliest priority
- can be filed by applicant or any third party

Publication

In the 19th month from application,
but not later than 2 months after grant,
whatever is earlier

Challenging a patent

- no opposition system: third party observations
- invalidation can be requested by at any time, partial invalidation against single claims possible

Annual fee payment

- annual fees
- first annuity on grant
- further renewal fees during six months preceding anniversary of grant day
- late payment possible within 6 months from end of original payment period
- restoration not possible

Patent documentation:

document types, kind codes and
number formats

Documentation: number formats

Application numbers

t-yyyy-nnnnn

- one digit for the type of right
- four digits for the year
- serial number

Publication numbers

nnnn(n)

- four/five digits for the serial number

1 = patent, 2 = utility solution patent,
3 = design, 4 = trade mark

Documentation: number formats

Registration numbers

t-**nnnnnnnn**-nnn

- one digit for the type of right
- serial number

1 = patent, 2 = utility solution patent,
3 = design, 4 = trade mark

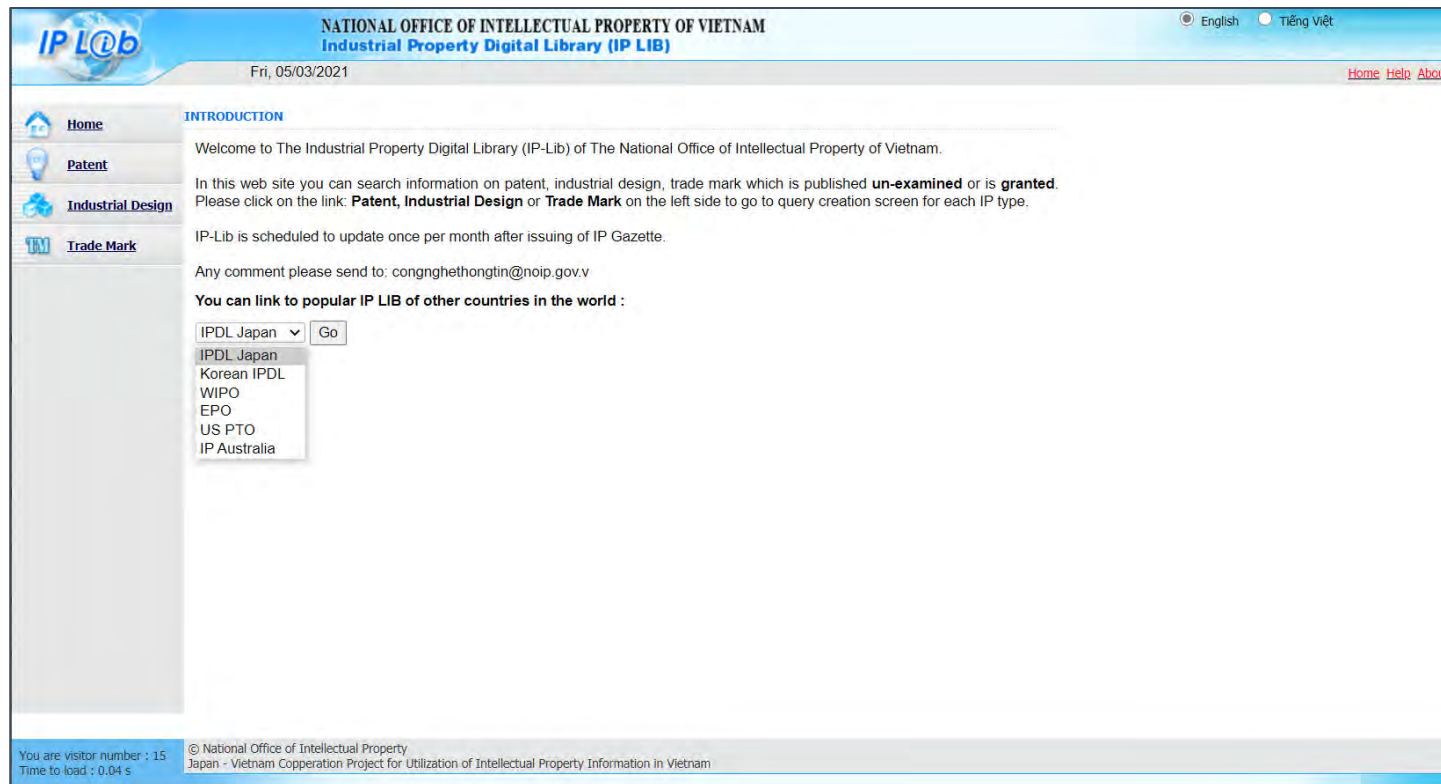
NOTE: when searching with document numbers in the IP LIB database, the hyphens can be omitted

Searching Vietnamese data in free available search tools

VN data coverage at the EPO

VN	A1	1986	1	25	25
VN	A1	1989	1	67	67
VN	A1	1990	9	82	92
VN	A1	1991	4	97	101
VN	A1	1995	1	275	275
VN	A1	1996	31	246	282
VN	A1	1997	16	328	344
VN	A1	1998	1	498	498
VN	A1	2010	12	21741	24838
VN	A1	2011	17	24936	28357
VN	A1	2012	8	28769	30996
VN	A1	2013	6	32513	34776
VN	A1	2014	8	13102	39714
VN	A1	2015	1	40839	40839
VN	A6	1984	9	1	9
VN	A6	1985	9	10	23
VN	A6	1986	4	24	28
VN	A6	1987	6	29	35
VN	A6	1988	3	34	38
VN	A6	1989	13	50	77
VN	A6	1990	3	84	94
VN	A6	1991	2	95	96
VN	U	1989	2	1	3
VN	U	1990	17	5	25

The screenshot shows the Espacenet patent search results page for the patent VN89A1 BEEHIVE. The page displays 507 results found. The search criteria are set to 'Text only' and 'All' relevance. The results are sorted by 'Earliest priority: 1990-01-10'. The patent details for VN89A1 BEEHIVE are shown, including the applicant (DAO VAN HUNG), inventor (DAO VAN HUNG), and classification (A01K47/02). The patent is published as VN89A1. The page also includes a list of other patents found, such as '1. FURUACE FOR PRODUCING MELTED PHOSPHATIC...', '2. OIL FUEL FOR FURNACE', and '4. Disk Storage Case'.



NOIP (National Office Intellectual Property of Vietnam) Industrial Property Digital Library (IP LIB)

IP LIB patent search at NOIP

IP LIB NATIONAL OFFICE OF INTELLECTUAL PROPERTY OF VIETNAM
Industrial Property Digital Library (IP LIB)

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English ☒ Tiếng Việt ☐

SEARCH QUERY CREATION FOR PATENT IPC

	Field Name		Expression	Example
	Title of invention	=	<input type="text"/>	Title of Inv: "máy cắt lúa"
AND	Title or Abstract text	=	<input type="text"/>	Abstract: "nông nghiệp"
AND	IPC	=	<input type="text"/>	IPC: F21F*
AND	Applicant Name	=	<input type="text"/>	Applicant: "Phạm văn A"

- selection of boolean and arithmetic operators
- applicant names can be entered in English
- search in titles/abstracts currently only in Vietnamese

updated once a month after issuing of the IP Gazette


Bibliographic Information/ Abstract

<< << 1 of 1000 >> >> Hit list Last query Translate

Bibliographic	Description	Claims	Drawings	Legal status
1-1996-90001 - Bibliographic:				
(11)	Registration Number 1-0001756-000			
(15)	Registration Date 12/01/2001 (51) IPC A61K 009/06			
(21)	Application Number 1-1996-90001 (22) Filing Date 02/07/1996			
(86)	PCT Number PCT/US94/09908 (87) International App.No WO95/16434 02/09/1994 22/06/1995			
(30)	Priority Number 08/166 523 13/12/1993 US			
(45)	PubB Date 26/03/2001 156 (43) PubA 25/12/1998 129			
(73)	Right Holder Name LIDAK PHARMACEUTICALS (US) 11077 North Torrey Pines Road, La Jolla, california 92037 United States of America			
(72)	Inventor Name Khalil Mohammed H. (US), Pope laura E. (US), Katz leeR. (US), Katz David H. (US), Marcelletti John F. (US)			
(74)	Agency Name Công ty TNHH Trần Hữu Nam và Đồng sự (TRAN H.N & ASS.)			
(54)	Title KEM ĐIỀU TRỊ			
(57)	Abstract			

Bibliographic	Description	Claims	Drawings	Legal status
1-1996-90001 -Legal status				
Expire Date		02/07/2016		

Bibliographic Information/ Abstract



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English
Tiếng Việt

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1 of 1000
[Hit list](#)
[Last query](#)
[Translate](#)

Bibliographic
Description
Claims
Drawings
Legal status

1-2014-04109 - Bibliographic:

(11)	Publication Number	67076		
(21)	Application Number	1-2014-04109	(51) ⁷ IPC	A61K 9/48
(22)	Filing Date	09/12/2014	(43) PubA	25/12/2019 381
(86)	PCT Number	PCT/US2013/040325 09/05/2013 (87)	International App.No	WO/2013/170012 14/11/2013
(30)	Priority Number	61/644 996 09/05/2012 US		
(71)	Applicant Name			
(72)	Inventor Name	BETAGERI, Guru, V. (US), KADAJJI, Veeran, Gowda (IN), THIRUCOTE, Ramachandran (US)		
(74)	Agency Name	Công ty TNHH Sở hữu trí tuệ Thảo Thọ Quyền (INVENCO.,LTD)		
(54)	Title	HỆ PHÂN TÁN TESTOSTERON DẠNG PROLIPOSOM VÀ DƯỢC PHẨM CHỨA HỆ PHÂN TÁN NÀY		
(57)	Abstract	<p>Sáng chế đề cập đến các chế phẩm testosterone trong đó testosterone được đưa vào trong hệ phospholipit/cholesterol để tạo ra bột phân tán tiền liposom. Các bột phân tán tiền liposom này theo sáng chế có thể được bào chế với tá dược được dụng để tạo ra các dược phẩm. Các dạng phân liều dùng qua đường miệng được bọc vỏ trong ruột là các phương pháp điều trị cho liệu pháp thay thế testosterone.</p>		

Legal events

**Industrial Property Digital Library (IP LIB)**

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|<< |< | 1 of 1000 |> |>> | [Hit list](#) | [Last query](#) | [Translate](#)

[Bibliographic](#) | [Description](#) | [Claims](#) | [Drawings](#) | **[Legal status](#)**

-2014-04109 - Legal status

Appeal Number	1-2015-0021	Chukan Code	(14/11/2019) 221: Notification for Acceptance of Application
Appeal Date	28/07/2015		(17/06/2015) 223: Notification on Formality Checking Results (Refusal)
Appeal Type	3		(09/03/2015) 155: Submission of Abstract
			(09/03/2015) 156: Submission of Description
			(11/11/2019) 157: Submission the Power of Attorney (Original)
			(21/01/2015) 157: Submission the Power of Attorney (Original)
			(06/05/2019) 190: Submission of Other Documents
			(25/11/2019) 101: Applicant self request for amendment application
			(09/01/2015) 101: Applicant self request for amendment application
			(25/10/2019) 150: Fee addition
			(21/08/2019) 150: Fee addition
			(08/04/2015) 225: Thông báo dự định từ chối

Any questions????



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Patent information from the ASEAN region

Session 3: Philippines



Cherry Joy Engelmann

Asian Patent Information Services

9 March 2021

Philippines: General overview

Basic data

- 13th populous (108 million, 2020) country worldwide
- Former Spanish & American colony
- Claimed independence since 1946 from Japan after WWII
- Ethnical diversity: 175 ethnic groups, more than 170 languages



Economy

- GDP (PPP): \$1.025 trillion (4th largest in ASEAN)
- GDP/capita (PPP): \$8,574: “Lower middle income country”
- “Newly industrialised market country,” exporting semiconductors and electronic products, transport equipment, coconut oil, fruits, etc.

Introduction to the patent system:

Evolution, filing figures, special features
of the patent system

Evolution of IP System

IPOPHL Timeline

Philippine Patent Office

RA No. 165 "An Act
Creating a Patent Office"
RA No. 166 -registration of
Trademarks, Tradenames,
and Service Marks
June 20, 1947

Bureau of Patents, Trademarks and Technology Transfer

EO No. 133
Feb. 27, 1987

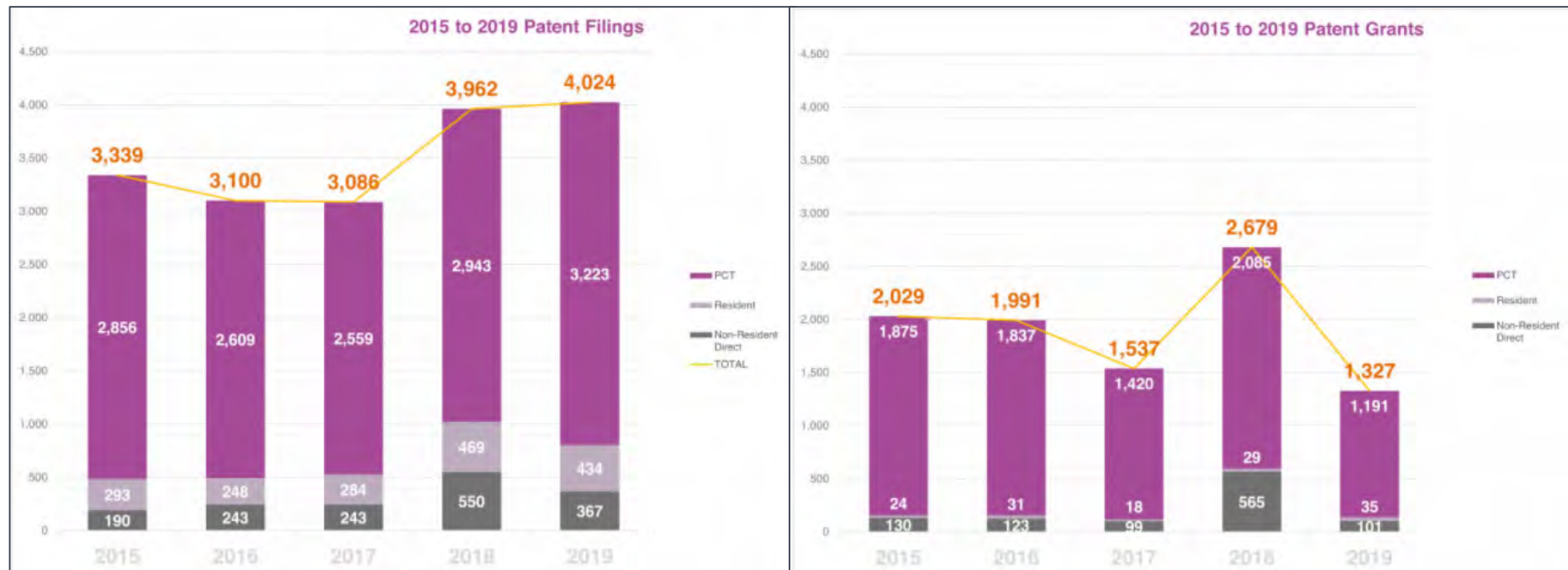
Intellectual Property Code of the Philippines

RA No. 8293
June 6, 1997

Amendments on Copyright Law

RA No. 10372
March 4, 2013

Evolution of filing figures



Membership in IP-related treaties/ organisations

Paris Convention: 27 September 1965

WIPO Convention: 14 July 1980

WTO (TRIPS): 1 January 1995

PCT: 17 August 2001

Madrid Protocol: 25 April 2012

Filing authority

Intellectual Property Office of the Philippines (IPOPHL)

- **patents**

(20 years from filing date since 1998; previously 17 years from grant date; substantive examination; no term extensions)

- **utility models**

(7 years from filing date since 1998; previously 5 years and renewable for two periods of 5 years each; formality examination; no term extensions)

- **designs**

(5 years from filing date; renewable for two consecutive terms of 5 years)

- **trade marks**

(10 years from registration date, renewable for further periods of 10 years)

Special features of the patent system

Search & examination

- IPOPHL conducts its own search and examination
- substantive examination (only for patents)
 - must be explicitly requested & fees paid
 - within 6 months from date of publication
 - otherwise, application deemed withdrawn
- utility models: formality examination
 - utility model registered, if no third-party observations filed within 2 months from publication

Special features of the patent system

- filing languages: English or Filipino
- Publication of application in IPO Gazette:
 - patents: after 18 months from filing/priority; early publication possible
 - utility model: immediately after formality check
- third-party observations possible during examination
- conversion of patent application into UM application and vice versa possible
- dual filing not possible
- no post grant opposition possible

Special features of the patent system

- annual fees/maintenance fees for pending applications
 - due upon expiry of 4 years of date of publication of application
 - further annual fees due within three months preceding anniversary of that date
 - grace period for late payment: 6 months (surcharge)
 - no restoration possible
- invalidation can be requested by any interested party at any time
- partial invalidation possible
- working/use requirement: patented invention should be worked before expiration of 4 years from filing date/ or 3 years from grant, whichever ends later (otherwise, compulsory license may be granted)

Documentation: number formats

Application numbers

- Before 1991: **PH/T/0/NNNNNN***
- After 1991: **PH/T/YYYY/NNNNNN**

Publication numbers (18 months from filing/priority)

The application number will be used also for publications
(Kind code: **A1**)

Grant numbers

Application number, but without country code (PH) and type of right (t):

(Kind code: **B1**) **YYYYNNNNNN**

* Occasionally letter “A” is used instead of “PH”: **(PH)A/T/0/NNNNNN**

t = type of right,

y = year

n = serial number

types of right

1 = patent

2 = utility model

3 = design

Searching data from the Philippines in free available search tools

Search option: Espacenet

PH12010500880 (A1)

Bibliographic data

Description

Claims

Mosaics

Original document

Cited documents

Citing documents

INPADOC legal status

INPADOC patent family

Quick help

→ What is meant by high quality text as facsimile?

→ What does A1, A2, A3 and B stand for after a European publication number?

→ What happens if I click on "in my patents list"?

→ What happens if I click on the "Register" button?

→ Why are some sidebar options deactivated for certain documents?

→ How can I bookmark this page?

→ Why does a list of documents with the heading "Also published as" sometimes appear, and what are these documents?

→ Why do I sometimes find the abstract of a corresponding document?

→ What happens if I click on the red "patent translate" button?

→ What is Global Dossier?

Bibliographic data: PH12010500880 (A1) — 2014-10-07

★ in my patents list Previous 2 / 500 Next Report data error Print

ANTI-MALARIAL PHARMACEUTICAL COMPOSITION

Page bookmark PH12010500880 (A1) - ANTI-MALARIAL PHARMACEUTICAL COMPOSITION

Inventor(s):

Applicant(s):

Classification: - International: - cooperative: A61K31/367; A61K47/10; A61K47/14; A61K9/0043; A61K9/008; A61K9/0073; A61M11/001; A61M11/006; A61M15/009; A61M39/22


Application number: PH20101500880 20081027

Priority number(s): GB20070020667 20071025; GB20080006510 20080410; WO2008GB50999 20081027


Also published as: AP2920 (A); AP3542 (A); AU2008315767 (A1); AU2008315767 (B2); BR122013005952 (A2); more

Abstract not available for PH12010500880 (A1)

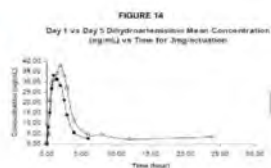
Abstract of corresponding document: WO2009053758 (A1)

Translate this text into  powered by RPX and Google

The invention provides pharmaceutical compositions for the treatment and prophylaxis of malaria, comprising artemether and a medium chain triglyceride formulated for transmucosal sublingual, buccal or nasal delivery, especially by a spray. Also provided are delivery devices containing the compositions.

Legal events 

No legal event data found

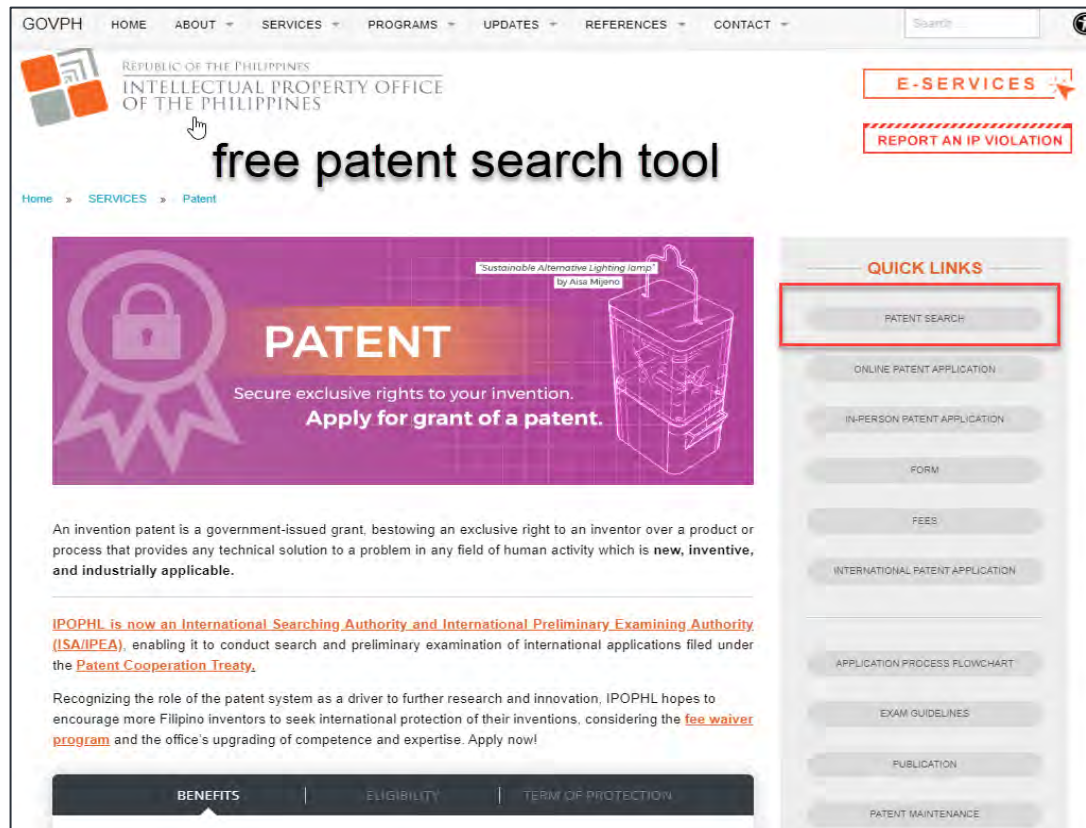


Coverage of PH bibliographic data in DOCDB

- no full text or legal status data available
- limited coverage of full documents

EDATE	CC	KC	YEAR	NB_DOC	EDATE	CC	KC	YEAR	NB_DOC
07-02-2021	PH	A	1990	1091	07-02-2021	PH	A1	2014	1467
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07-02-2021	PH	A	1992	1043	07-02-2021	PH	A1	2016	3222
07-02-2021	PH	A	1993	575	07-02-2021	PH	A1	2017	2585
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07-02-2021	PH	A	1995	3	07-02-2021	PH	A1	2019	3660
07-02-2021	PH	A	1996	168	07-02-2021	PH	A1	2020	2717
07-02-2021	PH	A	1997	785	07-02-2021	PH	A1	2021	289
07-02-2021	PH	A	1998	564	07-02-2021	PH	B1	2008	3
07-02-2021	PH	A	1999	96	07-02-2021	PH	B1	2009	7
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07-02-2021	PH	A1	2004	1	07-02-2021	PH	B1	2011	6
07-02-2021	PH	A1	2005	1	07-02-2021	PH	B1	2012	5
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07-02-2021	PH	A1	2007	1	07-02-2021	PH	B1	2014	802
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07-02-2021	PH	A1	2010	9	07-02-2021	PH	B1	2017	690
07-02-2021	PH	A1	2011	3	07-02-2021	PH	B1	2018	324
07-02-2021	PH	A1	2012	4	07-02-2021	PH	B1	2019	81
07-02-2021	PH	A1	2013	12	07-02-2021	PH	B1	2020	1

Searching in IPOPHL Public Patent Search



IPOPHL Public Patent Search Database

Help About English

SEARCH **ADVANCED SEARCH**

Designs **Patents**

Show filters

- Filing Date (69)
- Reg. Date (67)
- Pub. Date (29)
- Status (12)
 - Converted (26)
 - Expired (36307)
 - Filed (575)
 - Inactive (22805)
 - Published (26451)
 - Withdrawn (11044)
- Application SubType (4)
 - Invention (48543)
 - Invention PCT (34293)
 - Utility model (17976)
 - Utility model PCT (49)

View details

Original Filing #
Publication Number
Filing Date (yyyyMMdd)
Pub. Date (yyyyMMdd) 2021
Technology

Choose one
Chemistry
Basic materials chemistry
Biotechnology
Chemical engineering
Environmental technology
Food chemistry
Macromolecular chemistry, polymers

Change list view

Search

Reset

DRAWING	TITLE	ORIGINAL FILING #	FILING DATE	REG. #	REG. DATE	PUB. DATE	IPC CLASSES	APPLICANT	INVENTOR	APPLICATION SUBTYPE	STATUS
	PICTURE REGENERATION STABILIZING CIRCUITS	A/1/0/042031	1991.02.20	1042031	1991.02.20			JEN-MUM-PARK		Invention	Published
	PRESS-ON CLOSURE WITH PEELABLE END PANEL	A/1/1993/046127	1993.04.29	1046127	2002.12.17		B65D 41/00 B65D 43/00 B65D 43/02	SAUER, DONALD G. FRASER, ROBERT W. ROTH, DONALD J.		Invention	Expired
	IMIDAZOLE, TRIAZOLE AND TETRAZOLE DERIVATIVES	A/1/1993/046622	1993.07.30	1046622	2004.03.15		A61K 31/41 A61K 31/42 A61K 31/44	MATASSA, VICTOR G. BAKER, RAYMOND STREET, LESLIE J.		Invention	Registered

<- Fields

IPOPHL Patent Search Database

The image displays three overlapping screenshots of the IPOPHL Patent Search (WIPO Publish) interface, illustrating the search criteria selection process.

Top Screenshot (Left): The 'TEXT FIELDS' tab is selected. The search criteria list includes:

- ☐ Abstract
- ☐ Abstract English
- ☐ Abstract Bilingual
- ☐ Applicant Address Bilingual
- ☐ Applicant Bilingual
- ☐ Applicant Residence
- ☐ Citation Description
- ☐ Claims
- ☐ Description
- ☐ Inventor Address Bilingual
- ☐ Inventor Bilingual
- ☒ IPC Classes
- ☐ Office Code
- ☐ PCT Pub. Country
- ☐ Representative Country
- ☐ Representative Residence
- ☐ Internal Status
- ☐ Title Bilingual
- ☐ Abstract English
- ☐ Original Filing #
- ☐ Applicant Country
- ☐ Application SubType
- ☐ Citation Category
- ☐ Claim Description
- ☐ CPC Classes
- ☐ File Type
- ☐ Inventor Country
- ☐ Inventor Residence
- ☐ IPC Technology Field
- ☐ Pub. Kind Code
- ☐ Representative Address
- ☐ Representative Name
- ☐ Status Code
- ☐ Title
- ☐ Identifier

Top Screenshot (Middle): The 'DATE FIELDS' tab is selected. The search criteria list includes:


- ☒ Filing Date
- ☒ Pub. Date
- ☐ PCT Pub. Date
- ☐ Gazette Date
- ☐ Priority Date
- ☐ Reg. Date

Top Screenshot (Right): The 'NUMBER FIELDS' tab is selected. The search criteria list includes:

- ☐ Filing #
- ☐ Gazette Number
- ☐ PCT Filing #
- ☐ Citation Number
- ☐ Publication Number
- ☒ PCT Pub. #
- ☐ Claim Number
- ☐ Priority Number
- ☐ Reg. #

The search form on the right of each screenshot includes fields for Applicant, Inventor, IPC Classes, Status, Publication Number, Filing Date, Pub. Date, and Technology. The bottom screenshot shows the search results for the criteria selected in the 'NUMBER FIELDS' tab, displaying a table with columns for Applicant, Inventor, IPC Classes, Status, Publication Number, Filing Date, Pub. Date, and Technology. The results show a single entry for 'Siemens' with a publication number of 1056803.

Searching with keywords and dates

**IPOP HL Patent Search**
(WIPO Publish)

Help About English

Designs Patents

SEARCH ADVANCED SEARCH

Original Filing #

Title

Publication Number

Filing Date

Pub. Date

Reg. Date

Technology

2. pump

(yyyyMMdd)

(yyyyMMdd)

(yyyyMMdd)


Choose One


1. Reg. Date:2021

Fields

Reg. Date:2021 Title:pump

Showing 1 to 2 of 2

	Status: Registered Title: PRESSURE RELEASE REACTION PUMP Original Filing #: PH/1/2010/000276 Publication Number: VOL 15 NO 12 Priority Details: Reg. #: 2010000276 Applicant: BERONGOY, CAGEO D	Filing Date: 2010.09.07 Pub. Date: 2012.03.26 IPC Classes: F04F 1/18, F04F 1/20 Reg. Date: 2021.01.21 Inventor: CAGEO BERONGOY
---	---	--

	Status: Registered Title: AN ADJUSTABLE SIDE LINER FOR A PUMP Original Filing #: PH/1/2018/501008 Publication Number: AU 2008903030 2008.08.14 Priority Details: AU2008904162 2008.06.13 AU2008904165 AU2008904166 AU2008904167 AU2008904168 Reg. #: 2018501008 Applicant: WEIR MINERALS AUSTRALIA LTD	Filing Date: 2009.06.12 Pub. Date: 2019.02.11 IPC Classes: F04D 29/42, F04D 7/04 Reg. Date: 2021.01.07 Inventor: FOREMAN, Michael, Christopher BURGESS, Kevin, Edward
---	--	---

IPOPHL Public Patent Search: result list

BIBLIOGRAPHIC

DOCUMENT LIST

STATUS

1

Patents Application : PH 1/2010/000276

Application Type

(10) Reg. # and Date

(20) Filing # and Date

(86) PCT Filing # and Date

(85) National Entry Date

(30) Priority Details

(51) IPC Classes

(71/73) Applicant

(72) Inventor

(74) Representative Name

(54) Title

(57) Abstract

(58) Citations

Invention

2010000276 2021.01.21

PH 1/2010/000276 2010.09.07

Application SubType

Status

(40) Pub. # and Date

(87) PCT Pub. # and Date

Invention

Registered

PH VOL 15 NO 12 2012.03.26









Current status and links to different parts of the document

BIBLIOGRAPHIC




DOCUMENT LIST

STATUS

2

DOCUMENT TYPE	DATE	ACTION
SPECS B1	2018.09.06	 
DRAW B1	2018.09.06	 
CLAIMS B1	2018.09.06	 
BIBLIO B1	2018.09.06	 

Other applications filed by same applicant

APPLICATION NUMBER	TITLE
 PH12010000275	WATER WEIGHT CONSTANT FLOW
 PH12013000118	TELESWITCH
 PH12016000347	BARK SCALE ANTI CANCEROUS LESION

BIBLIOGRAPHIC


DOCUMENT LIST

STATUS

3

STATUS	DATE
Filed	2010.09.07
Published	2012.03.26
Registered	2021.01.21

e-Gazette



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Patent Applications Published Pursuant to Section 44 of R.A. 8293

Classification of Patent Applications According to International Patent Classification as Published Pursuant to Section 44 of R.A. 8293

Utility Model Applications Published Pursuant to Rule 211 of R.A. 8293

Classification of Utility Model Applications According to International Patent Classification as Published Pursuant to Rule 211 of R.A. 8293


List of Direct Route Divisional Applications

Direct Route Divisional Applications

List of International Applications Filed as National Phase Entry in IPO (IP)

List of Divisional Applications of National Phase Entry Applications

Divisional Applications of National Phase Entry Applications



**Intellectual Property Center, 28 Upper McKinley Rd,
McKinley Hill Town Center, Fort Bonifacio, Taguig City 1634 Philippines**

Tel. No. 2384-5300 Website: www.ipos.gov.ph e-mail: ipos@ipos.gov.ph

Volume 24 Number 15
Date Released: February 8, 2021

[19] INTELLECTUAL PROPERTY PHILIPPINES

[12] INVENTION PUBLICATION

[21] Application Number: 1/2019/000193 Document Code: A1

[22] Date Filed: 22/05/2019

[54] Title: A METHOD OF IMPROVING EFFICIENCY OF CROSSLINKING OF CARBOXYMETHYL HYALURONIC ACID

[71] Applicant(s): DEPARTMENT OF SCIENCE AND TECHNOLOGY - PHILIPPINE NUCLEAR RESEARCH INSTITUTE [PH]

[72] Inventor(s): RELLEVE, Loma R. [PH]; GALLARDO, Alvin Kiar R. [PH]; TECSON, Mariel G. [PH]; ASAD, Lucille V. [PH]; LUNA, John Andrew A. [PH]

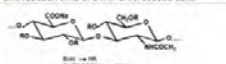
[73] Assignee(s): NONE

[74] Attorney / Agent: O.M. MANAHAN & ASSOCIATES

[30] Priority Data: NONE

[51] International Class E: C08B 37/0072

[57] Abstract: The present invention relates to a method of improving efficiency of crosslinking of carboxymethyl hyaluronic acid to produce biocompatible hydrogels for medical applications. The method comprises the steps of: a. synthesizing of carboxymethyl hyaluronic acid with high degree of substitution of 0.74 and high molecular weight of 314 kDa; b. preparing of CMA solution in highly concentrated solution or paste-like state, with concentration of 40-60% w/w; and c. subjecting the solution to gamma irradiation with dose of 60-120 kGy to produce hydrogel with gel formation of 54%-68%. The synthesis of carboxymethyl hyaluronic acid constitute the following reaction conditions: 1:3 weight ratio of hyaluronic acid: chloroacetic acid, reaction temperature of 36°C, reaction time of 1 h in NaOH and reaction time of 2 h in chloroacetic acid.

Representative Drawing(s): 

Relevant docs:

Category	Document description	Relevant to claim No.	Document No.
Y	WO 2005/06606 A1 (UNIVERSITY OF UTAH RESEARCH FOUNDATION) 23 June 2005 (23.06.2005)	1	1
Y	US 2016/024434 A1 (FLUKKANA ET AL.) 26 August 2016 (26.08.2016)	1	2
Y	W0 96/03147 (FOIA ADVANCED BIOPOLYMERS S.R.L. [IT/IT]) 8 February 1996 (08.02.1996)	3	

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- [LIST](#) Classification of Utility Model Applications Published Pursuant to RA 11036
- [LIST](#) Industrial Design Applications Published Pursuant to RA 11036
- [LIST](#) Classification of Industrial Design Applications Published Pursuant to RA 11036
- [LIST](#) List of Invention Granted Under R.A.8293 (PCT)
- [LIST](#) Invention Granted Under R.A.8293 (PCT)
- [LIST](#) NOTICES OF NON-PAYMENT No. 2021-14 (Pending)
- [LIST](#) EXPIRED INVENTIONS NO. 2021-01 (Granted) UNDER RA 165
- [LIST](#) EXPIRED INVENTIONS NO. 2021-01 (Granted) UNDER RA 8293

source for
lapsed/expired granted
patents, utility models
registrations, design

Intellectual Property Office of the Philippines

Intellectual Property Center, 28 Upper McKinley Rd.
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Tel No. 238-6300 Website: <http://www.ipophil.gov.ph> e-mail: mail@ipophil.gov.ph
Volume Number: Vol 24 No 25
Date Released: March 5, 2021

1 INVENTIONS

1.1 EXPIRED PATENTS ORDER NO. 2021-1 Under RA 165

The following granted Patent is hereby declared EXPIRED and therefore naturally cease to be in force and effect:

Maria Cristina P. De Guzman
Division Chief - BOP, Administrative Division

No.	Patent No.	Title
1	1/1999/000554. (Divisional Application of 1/1995/50973)	1-PHENYL-3-DIMETHYLAMINOPROPANE COMPOUNDS WITH A PHARMACOLOGICAL EFFECT

Intellectual Property Office of the Philippines

Intellectual Property Center, 28 Upper McKinley Rd.
McKinley Hill Town Center, Fort Bonifacio, Taguig City 1634 Philippines
Tel No. 238-6300 Website: <http://www.ipophil.gov.ph> e-mail: mail@ipophil.gov.ph
Volume Number: Vol 24 No 25
Date Released: March 5, 2021

1 INVENTIONS

1.1 EXPIRED INVENTIONS ORDER NO. 2021-01 Under RA 8293

The following granted Patents are hereby declared EXPIRED and therefore naturally cease to be in force and effect:

Maria Cristina P. De Guzman
Division Chief - BOP, Administrative Division

No.	Patent No.	Title	Filing Date	Expiration Date	Patentee
1	1/1999/000681	ABSORBENT ARTICLES HAVING SKIN HEALTH BENEFITS	23/03/2000	23/03/2020	LANGE, BETH ANNE (US); KORYSK, DUANE GERARD (US); OTTS, DAVID ROLAND (US) and NELSON, BRENDA MARIE (US)
2	1/1999/002661	URINE ABSORBING PAD	26/10/1999	26/10/2019	ABE, KOICHI (JP); WADA, COIRO (JP) and KURITA, NORIYUKI (JP)
3	1/1999/002721	MULTIPARTICULATE MODIFIED RELEASE COMPOSITION	29/10/1999	29/10/2019	ELAN CORPORATION, P.L.C. (IE)
4	1/1999/002724	POLYHEDRAL ARRAY HEAT TRANSFER TUBE	29/10/1999	29/10/2019	LUVATA ALLTOP (Zhongshan) LTD. (CN)



Europäisches
Patentamt
European
Patent Office
Office européen
des brevets

Myanmar

A glimpse at the new patent system



Myanmar: Introduction

Overview

- Area: 676.578 km² Population: 54 million (26th worldwide)
- Former colony of Britain, independent since 1948
- Military rule (1962-2011) and democratic reform period (“disciplined democracy” 2011-early 2021); coup d’état by military on 1 February 2021
- Ethnical diversity: 135 ethnic groups (largest group: Burmese 68%)

Economy

- GDP (nominal): \$66 billion (72nd worldwide);
- GDP per capita: \$1,245 (155th) (“Lower middle income economy”)
- Trade sanctions and embargoes by USA and Europe
- Major trading partners: China, India, South Korea and ASEAN members



IP in Myanmar: evolution and current system

- 1946: Patents and Designs (Emergencies Provisions) Act under British rule, based on Indian Patents and Designs Act of 1911: Never enforced!
- After independence: **No formal IP system and legislation**



Extension of foreign IP rights after grant to Myanmar by “Declaration of Ownership” at Ministry of Registration and Deeds (until 2017)

- Patent owner obliged to publish Cautionary Notice in local newspaper every three years to re-confirm that related foreign patent is still in force
- Patent remains in force in Myanmar as long as related foreign patent is still valid
- Authority in charge: IP Department under Ministry of Education

Membership in IP-related treaties/ organisations

WTO (TRIPS): since 1995


WIPO: since 2001

Paris Convention: no member

PCT: no member

Madrid Protocol no member

Myanmar: Towards an independent patent system

- March 2019: Parliament passed the country's first specialised patent law (Pyidaungsu Hluttaw Law N. 7/2019)
 - March 2020: Creation of “Central Committee for Intellectual Property” (CCIPR): Main tasks:
 - Implementation of IP-related policies and institutions
 - Communication and coordination among government bodies on IP
 - Development of science & technology
- 
- CCIPR will establish “Myanmar Intellectual Property Rights Agency” (MIPRA) under Ministry of Commerce in charge of examination and grant of all IP rights

Myanmar: Main features of the new patent law

- Introduction of both patents and utility models (“minor inventions”)
- Special features of minor inventions:
 - not available for processes and chemical/pharmaceutical substances
 - no substantive examination; only formality check
- Filing in English and Burmese possible; certified translation in the other language required upon request of the registrar.
- Term: 20 years from filing date for patents and 10 years for minor inventions
- Acceptance of foreign priority rights (but no PCT applications)
- **Pharmaceutical products excluded from patentability until 1 January 2033 (exemption for least developed countries under TRIPS)**

Myanmar: Main features of the new patent law

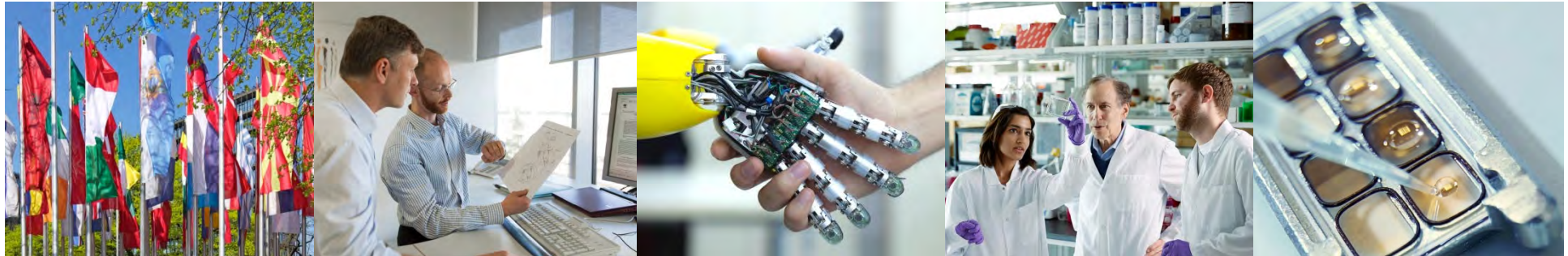
Granting procedure

- Publication of application after 18 months from filing/priority (minor inventions: after formality check)
- Pre-grant opposition period: 90 days from publication of application (minor inventions: 60 days from publication)
- Substantive examination (only for patents):
 - only upon request within 36 months from filing
 - May be based on results of corresponding foreign applications
 - Article 39 Patent Law: MIPRA may outsource examination to foreign patent offices
 - In case of rejection: appeal at MIPRA within 60 days; afterwards appeal at IP Rights Court possible (court of 2nd instance)



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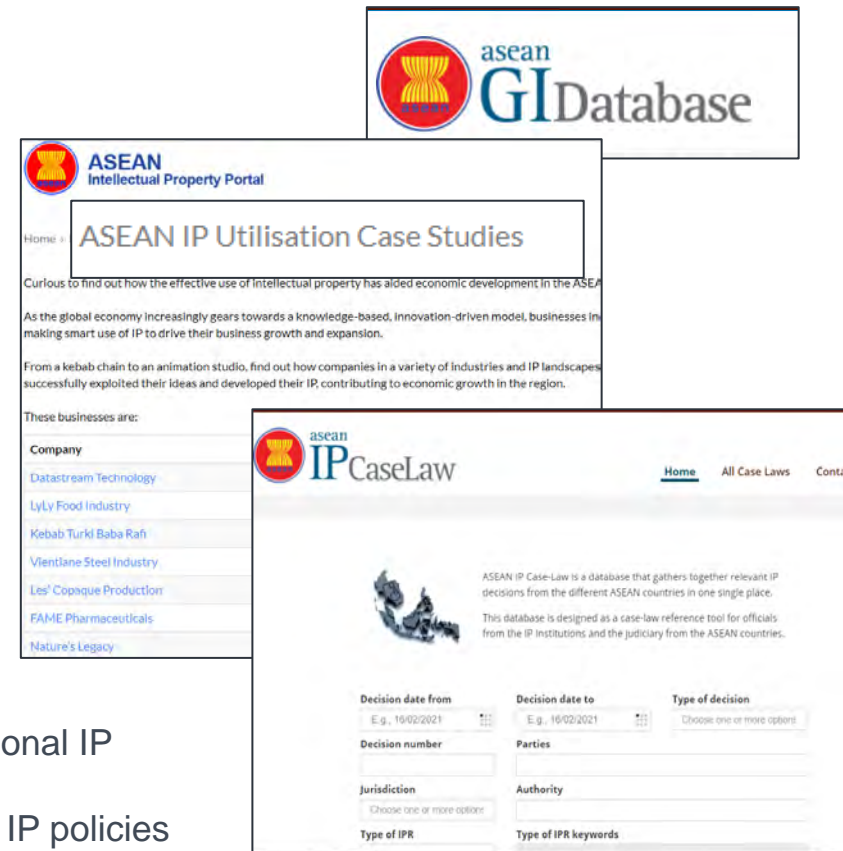
Further sources of information



ASEAN IP Portal



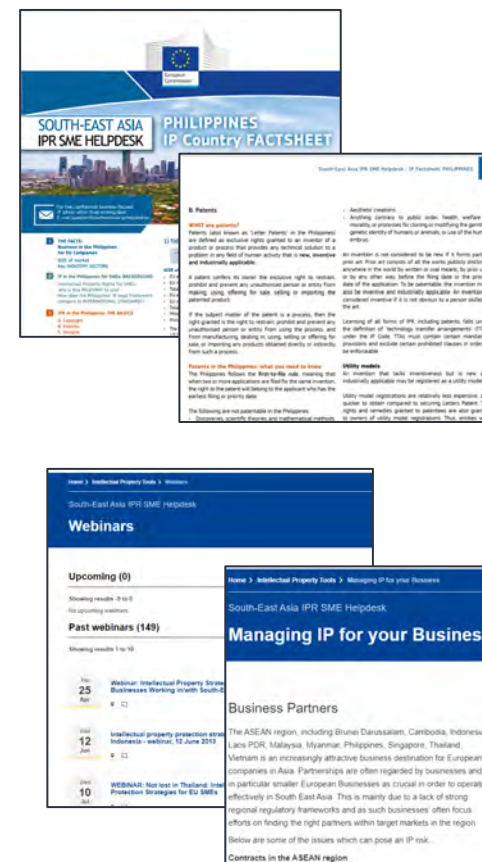
- Comprehensive information resource provided by national IP offices
- Statistics, case studies, search tools and overview on IP policies



South East Asia SME IP Helpdesk



- Support service provided by EU for SMEs on protecting IP in the ASEAN region
- Online training, reports, IP fact sheets on each country...



EPO's website on Asian patent information

The screenshot shows the EPO website's 'Asian patent information' page. The header includes the EPO logo, a search bar, and navigation links for 'Website' and 'Patents'. The main navigation bar lists 'Home', 'Searching for patents', 'Applying for a patent', 'Law & practice', 'News & issues', 'Learning & events', and 'About us'. The breadcrumb trail reads: 'Home > Searching for patents > Helpful resources > Asian patent information'. On the left, a sidebar titled 'First time here?' contains a list of links: 'Asian patent information' (highlighted), 'Translation services', 'China (CN)', 'Chinese Taipei (TW)', 'GCC FAQ', 'India (IN)', 'Japan (JP)', 'Korea (KR)', 'Russian Federation (RU)', 'Saudi Arabia (SA) FAQ', 'Updates', and 'Useful links'. Below this, there are sections for 'Events, training and publications', 'Patent information centres', 'Patent Translate', 'Can't find a product?', and 'Updates'. The main content area is titled 'Asian patent information' and features a graphic with the characters '특허' (Patent), '專利' (Patent), and '特許' (Patent) in different languages. Below the graphic, it states: 'Staffed by experts on the Japanese, Chinese and Korean patent systems, our Asian patent information services offer assistance in searching original-language patent databases and provide advice on the efficient use of free internet sources. In response to requests from users, the information and services we provide are being gradually extended to cover other countries and regions.' To the right of the main text, there are sections for 'Support' (Talk to EPO experts or get help from other users, Visit the discussion forum) and 'Contact' (Contact us). At the bottom, there are sections for 'Translation services' (From Japanese, Chinese and Korean, our professional translators translate titles, bibliographic data and claims, abstracts or even entire documents.) and 'Search services' (Experts at our Asian patent information services are skilled in the various Asian languages and can help when you've done all you can with English-language searching. Patent search and monitoring services, Legal status information and file).

Comprehensive information on several Asian jurisdictions – focus on Japan, China, Korea, Chinese Taipei and India

www.epo.org/asia

EPO's website on Asian patent information

FAQ - Korea

If you cannot find your question here, please see [FAQ - Taiwan](#)

For more specific legal questions relating to the IP system in Korea, please contact International_legal_affairs@ecpo.org

General information about IP in Korea

From filing to grant

As a foreign applicant, do I need to appoint a representative in Korea?

What language must I use for patent applications?

Can I claim priority for an application filed in another country?

What do I need to do in order to get an examination?

Does Korea allow divisional applications?

Yes, in Korea, if your application comprises an invention, you may divide it into two or more applications. However, descriptions and drawings of the divisional application must be identical to those in the original application.

If you require a more detailed answer, please see the [contact form](#).

Are Korean patents and utility models subject to opposition or invalidation examination?

Searching in databases - Chinese Taipei (TW)

Tips and tricks for using TIPO's free data search engine in Chinese and English language. Simple, step-by-step search guide to help you make the most of the wealth of data available in TIPO's databases.

Number search and document retrieval

- ☐ Retrieving full documents from the [TIPO database](#) (PDF, 643 KB)
- ☐ Monitoring Taiwanese publications in English

English machine translation

- ☐ Retrieving English machine translated documents from the [Chinese website](#) (PDF, 802 KB)
- ☐ Retrieving English machine translated documents from the [English website](#) (PDF, 720 KB)

Legal status information

- ☐ Retrieving legal status information from the [Chinese website](#) (PDF, 678 KB)
- ☐ Retrieving legal status information from the [English website](#) (PDF, 699 KB)
- ☐ Retrieving citation data from the [Taiwanese website](#) (PDF, 1 MB)
- ☐ Online file inspection with English machine translation (PDF, 1.1 MB)
- ☐ Finding Taiwanese patent term extension information (PDF, 795 KB)
- ☐ Finding patent term extensions on TIPO's website

TERM EXTENSION INFORMATION (ENGLISH/CHINESE)

BIBLIOGRAPHIC DATA, ABSTRACT

Retrieving term extension information from TIPO's TIPSER in English

- FAQs on the patent systems
- Information on numbering formats, kind codes...
- Search guides with step-by-step instructions how to use (original language) sources

Thank you very much for your attention!

Questions? Please get in touch with us:

asiainfo@epo.org

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