



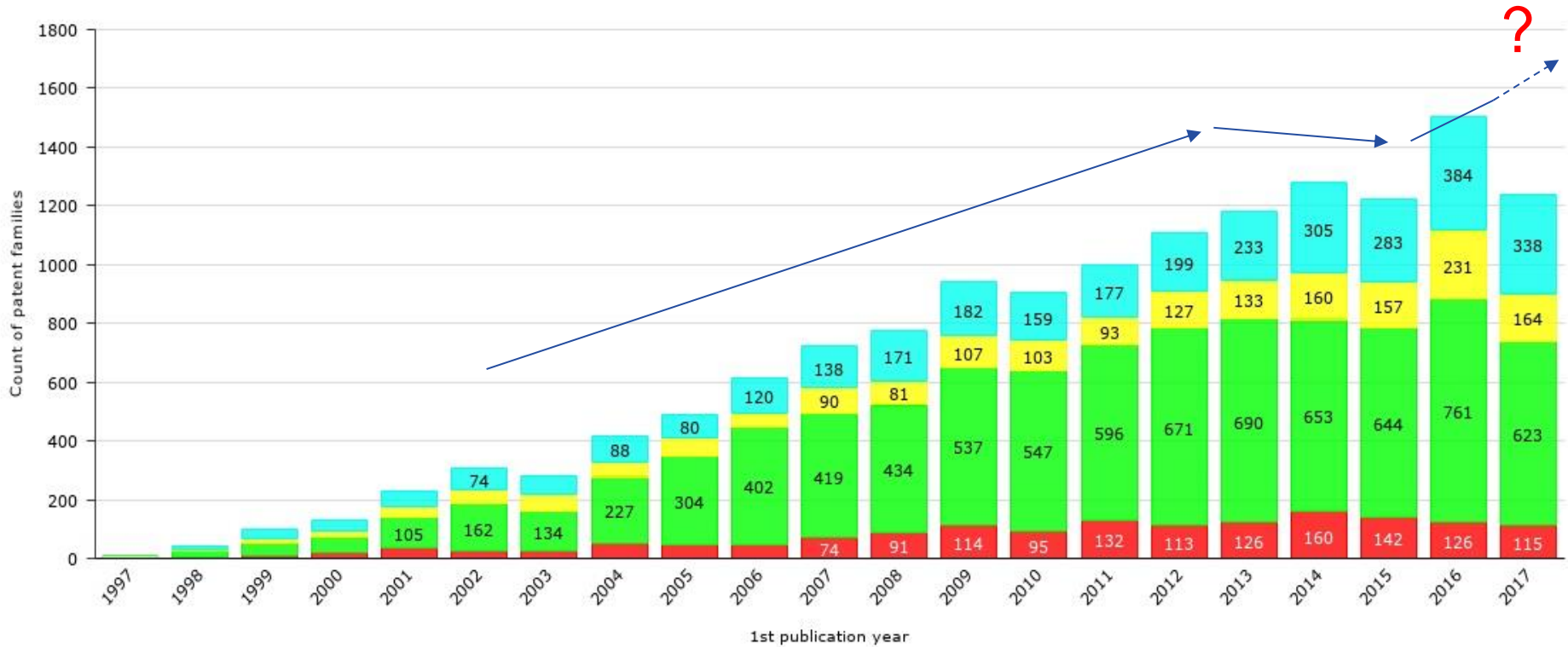
“ASEAN Landscape”

Using Patent Landscapes to Track Homegrown Technologies in Malaysia, Philippines, Indonesia and Thailand

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Director Business Development South-East Asia, Questel, Singapore
edeleglise@questel.com



Technology investment trend



■ ID
 ■ MY
 ■ PH
 ■ TH

Number of 1st publication with an Inventor or entity from one of the above country



Orbit Products & Services

Intellectual Property Business Intelligence



Orbit Intelligence



Orbit Express



Orbit Trademark



Orbit WebMonitor



Intellixir

Intellectual Asset Management



Orbit Idea



Orbit Invention



Orbit Asset

Intellectual Property Services



Search Services



Document delivery



IP Cost Management



Consulting



E-Learning



Orbit Intelligence



Powerful patent
search and analysis



Search

Computer-assisted search
Expert-dedicated interface
Enhanced content



Analyze

Get results in real time
Create relevant content
Answer business questions



Share

Make review simple
Build custom workflow
Create dedicated reports

intelligence.orbit.com By Eric Deleglise – May 4th 2017
edeleglise@questel.com

Orbit IPBI coverage

Data coverage

- 100+ patent authorities
- 23 in full text
- 40 with legal status
- 40 with citations
- Litigation (US, CN, DE, FR)
- Reassignments
- Corporate tree (4M)
- Licensing data
- Standards (9)
- Designs (47)
- Trademarks (84)
- Business information

Enhanced keywords fields

- Key content**
 - Semantically summarizes the full-text of the invention
- Technical concepts**
 - Extracts the main ideas of the patent
 - Chemical structure indexation on Intellixir (Chemaxon partnership)
- Machine translation**
 - For all non-English countries

Legal status data

- Searchable & analyzable
- Alive/dead status
- Expected expiration date
- Term right extensions
- Opposition

Assignment data

- Normalized names
- Searchable reassignments
- Corporate tree
- Security interests
- Government interests



Legacy Model of Technology Transfer

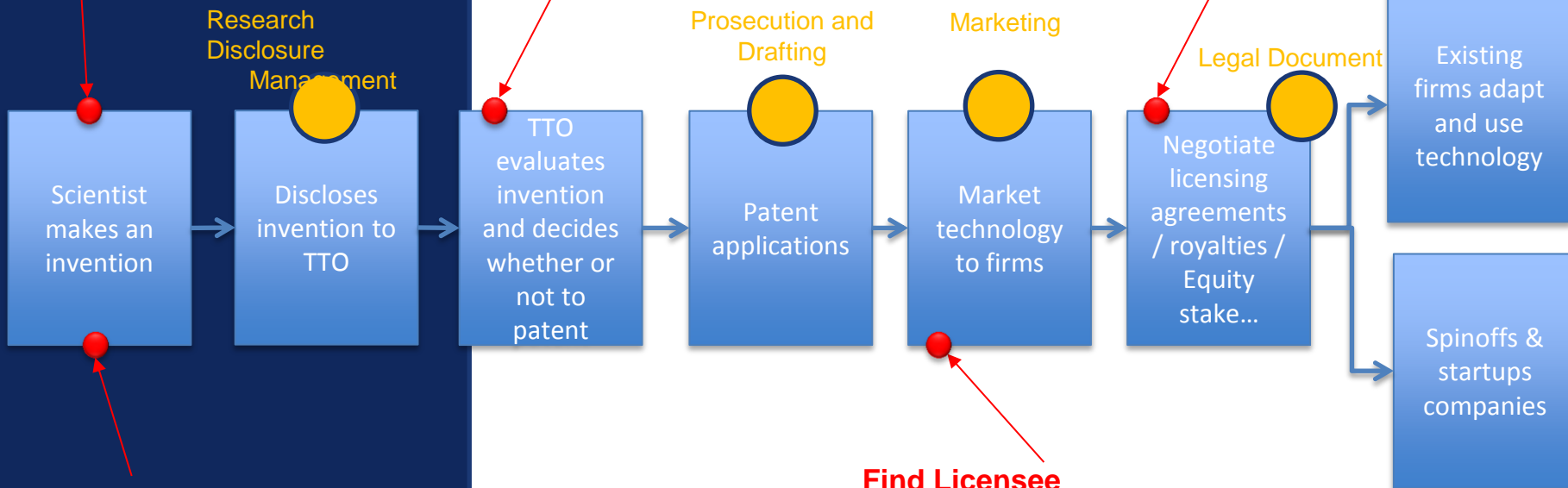
Week 4 – Technology Landscape
 Week 5 – Competitive Intelligence
Technology and Competency Mapping



Week 2 - Prior Art Search
 Quick Exploratory Search
 Week 6 – White Space
Explore

Week 2 - Prior Art Search
 Patentability Search
 Week 4 – Technology Landscape
 Week 5 – Competitive Intelligence
Due Diligence

Week 4 – Technology Landscape
 Week 5 – Competitive Intelligence
 Week 3 - FTO
 Week 7 – Evaluation
Convince / Create Partnership



Convince / Create Partnership
 Week 4 – Technology Landscape
 Week 5 – Competitive Intelligence

Find Licensee
 Week 4 – Technology Landscape
 Week 5 – Competitive Intelligence





ACTIVITIES SUMMARY

Patent Information

Prior Art Search

**Freedom To
Operate Search**

**Technology
Landscape**

**Competitive
Intelligence**

White Space

Patent Evaluation

Test



OBJECTIVE

Landscape analysis on patent families published by Malaysian, Thai, Pilipino or Indonesian Entities and Inventors :

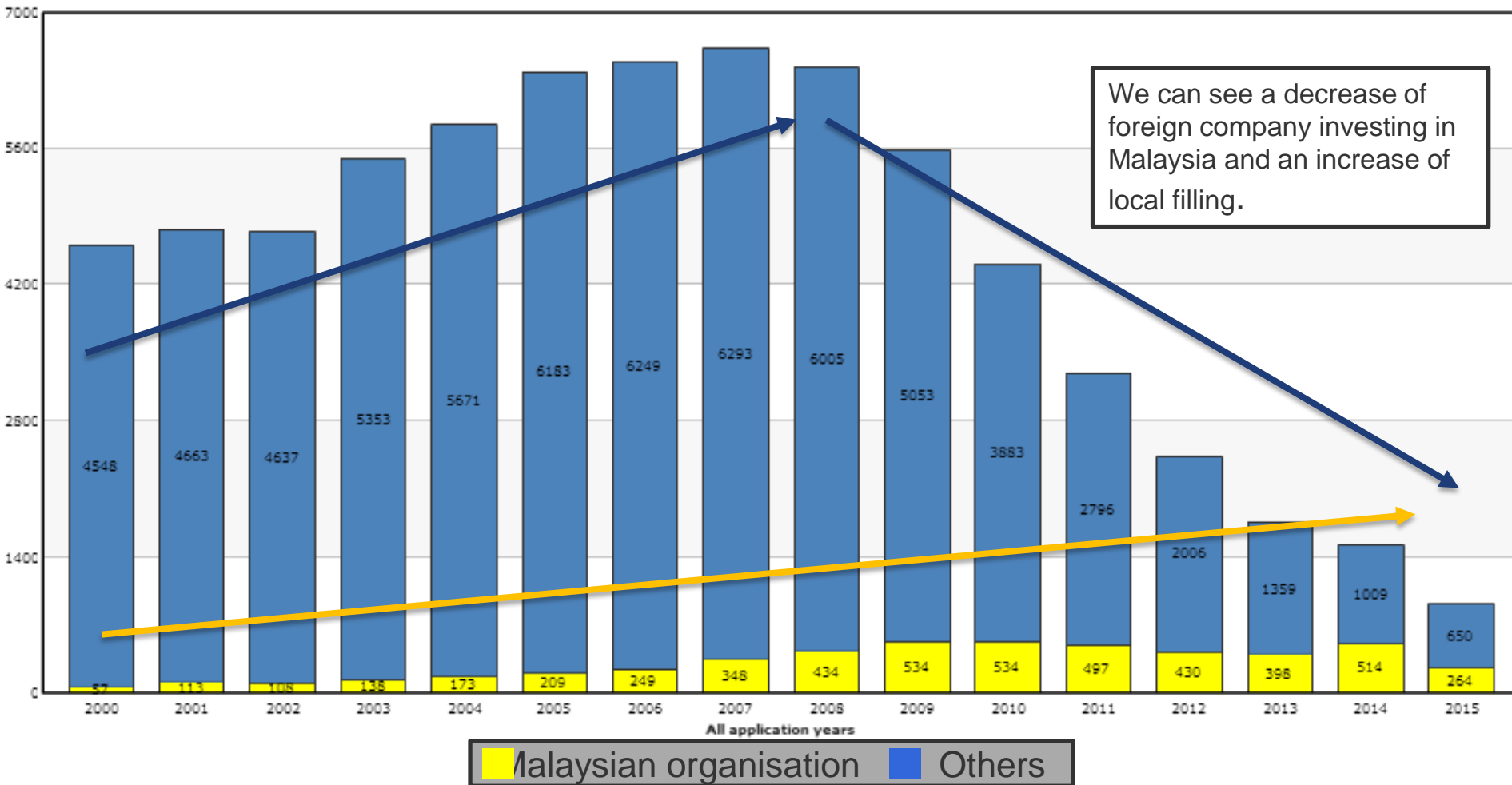
- Detecting the major/emerging trends
- Listing the major assignees
- Comparing their publications over time
- Seeing in what technologies/applications they are mostly present
- Identifying one or two « strong » patent in the area



MALAYSIA



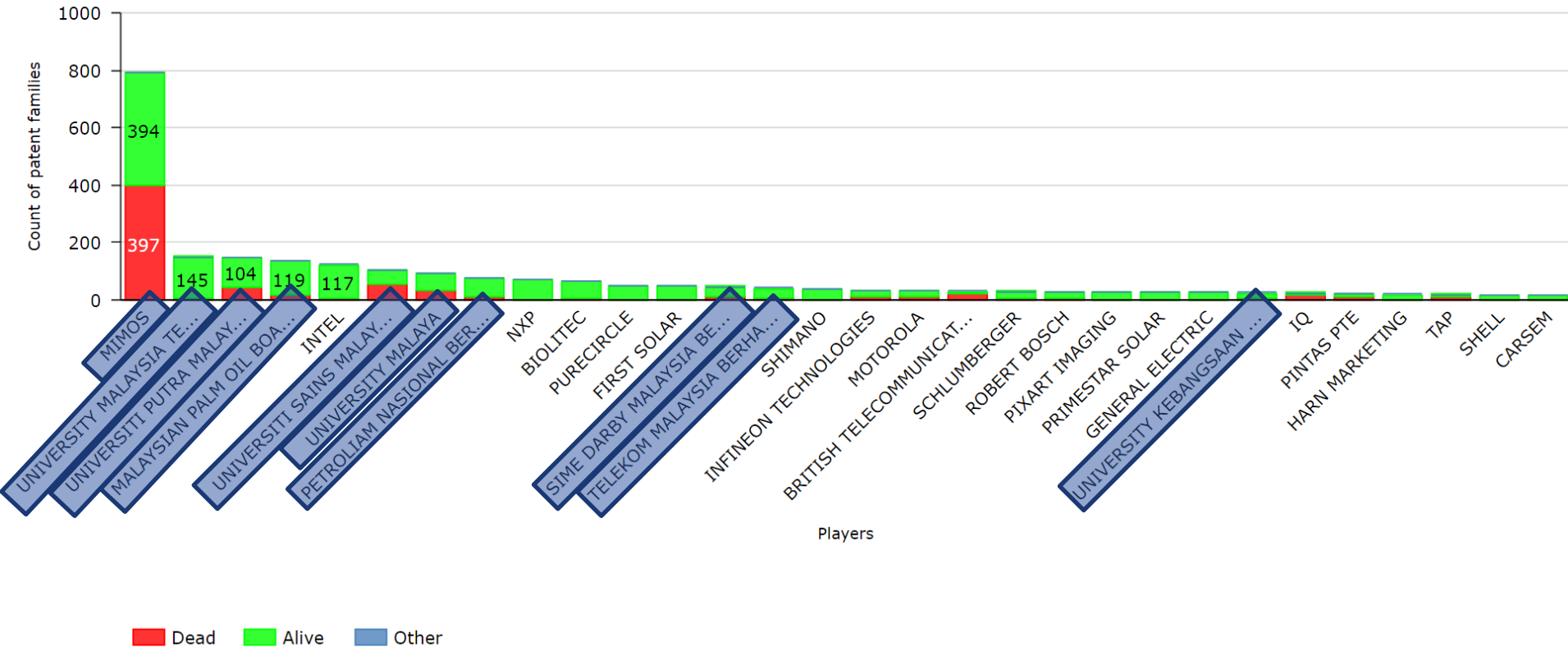
Main assignees publishing in Malaysia



- Highlight the number of patents published in Malaysia over time
- Detect quickly the level of technological investment on this territory

Which Entities could be good partners?

Top technology players

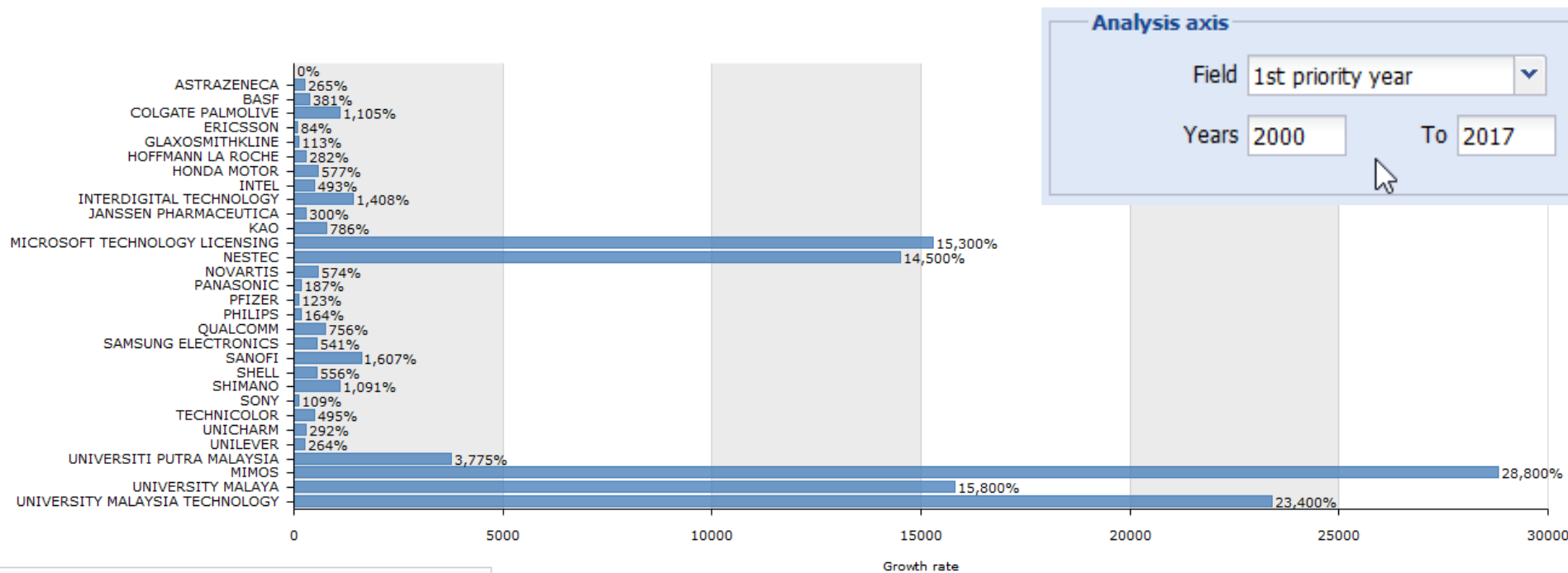


Following Mimos, the Universities have a strong presence in Patent for Malaysia. We can also notice 3 strong player in their domain, such as MPOB for palm oil, Petronas for Oil and Gaz and TM for telecommunication.



Main assignees publishing in Malaysia

Distribution of search results by Acceleration

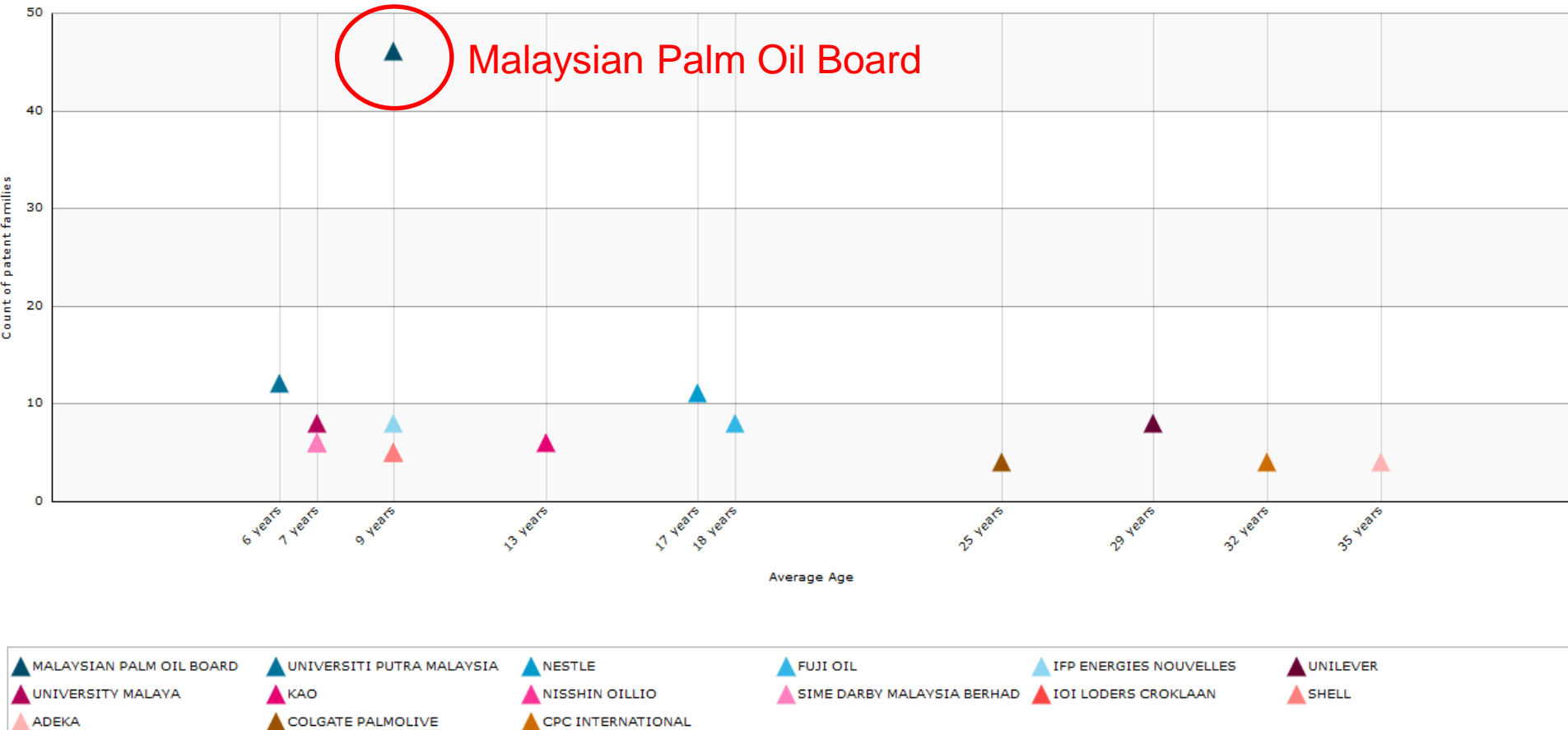


- Compare the assignee acceleration in term of publications from 2000 to 2017
- The growth rate shows the assignees that have increasingly published patent records from 2000 to 2017 in Malaysia.
- This is a quick way to detect the organizations having increasing interest in investing in Malaysia



Main assignees publishing in Malaysia on Palm Oil

Distribution of search results by Average age / Portfolio size by assignee

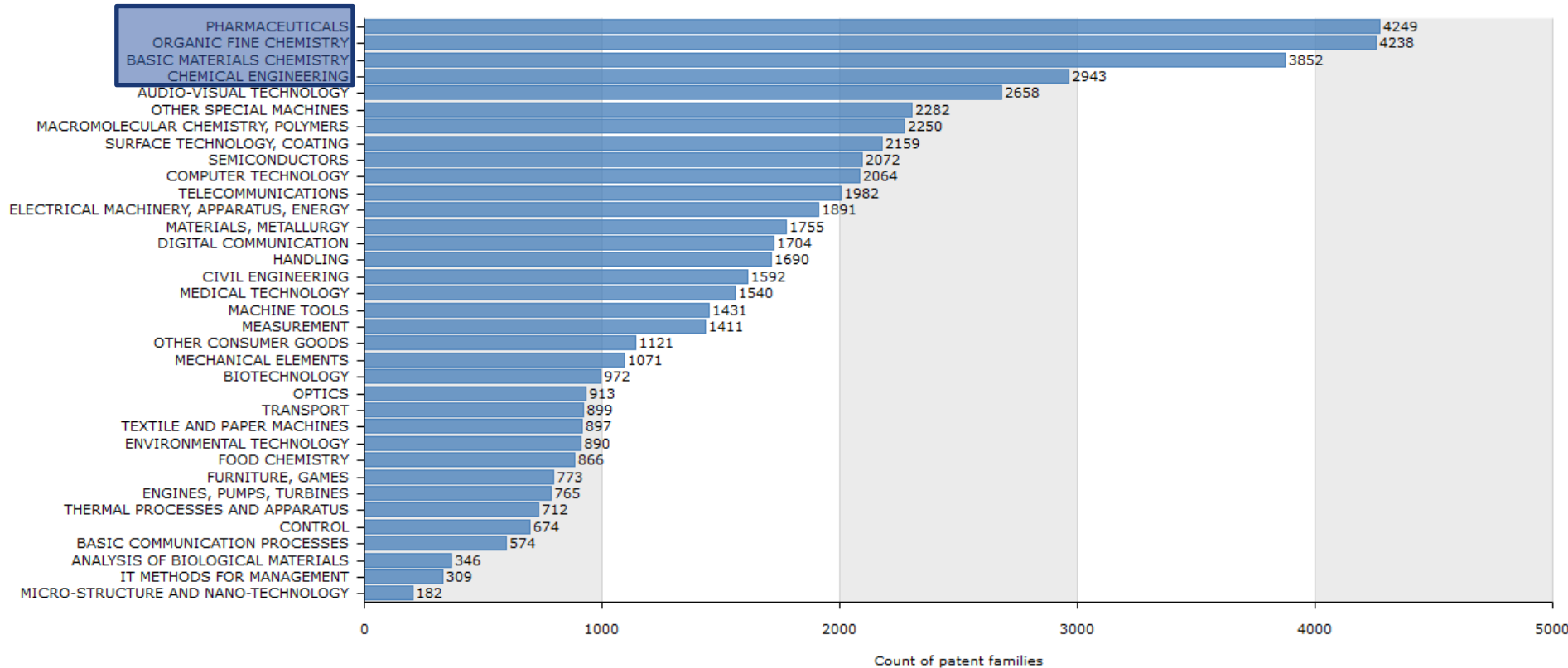


- Compare the size and average age of the major assignees' portfolio

Which industry to target?

Based on Technology investment in Malaysia

Distribution of search results by Technology domain



- Orbit defines the technology domains (based on the IPC codes labels)
- See what the major technology domains of the patent records published in Malaysia are

The top 4 categories are in Pharmaceutical and numerous Chemistry



Which field In Malaysia?



Two strong focus areas; in Semiconductor and ICT



Which University for Which IP ?

Biotechnology

UPM - Food Chemistry

Medical Technology

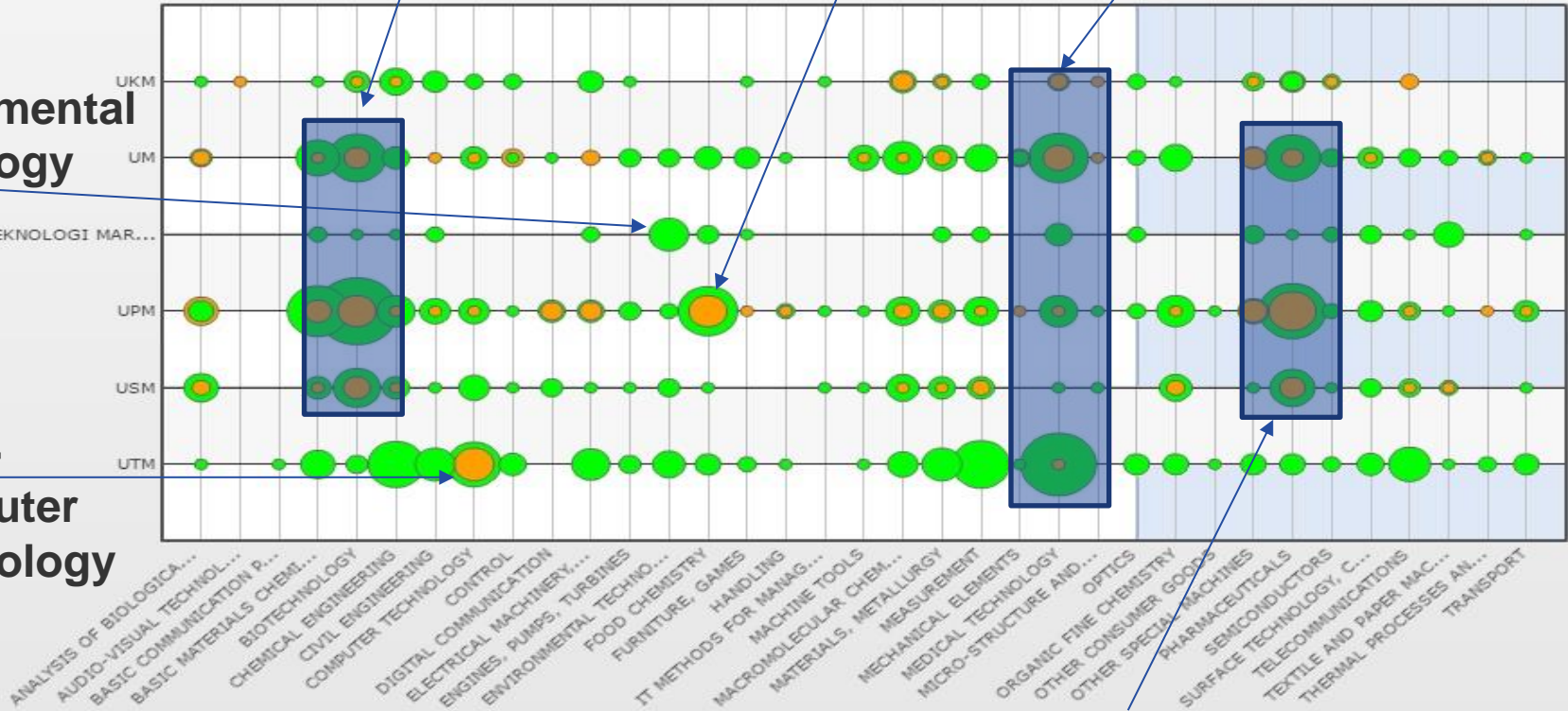
Distribution of search results by Technology domain / Assignee

UITM – Environmental Technology

UNIVERSITI TEKNOLOGI MAR...

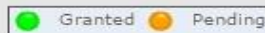
Assignee

UTM – Computer Technology



Pharmaceutical

Technology domain



Patent the Highest Family size or forward Citation

Biscuits and crackers containing reduced levels of saturated fat and method for the manufacture thereof	SIME DARBY MALAYSIA BERHAD*	MY146 942	2008-12-11	5	29
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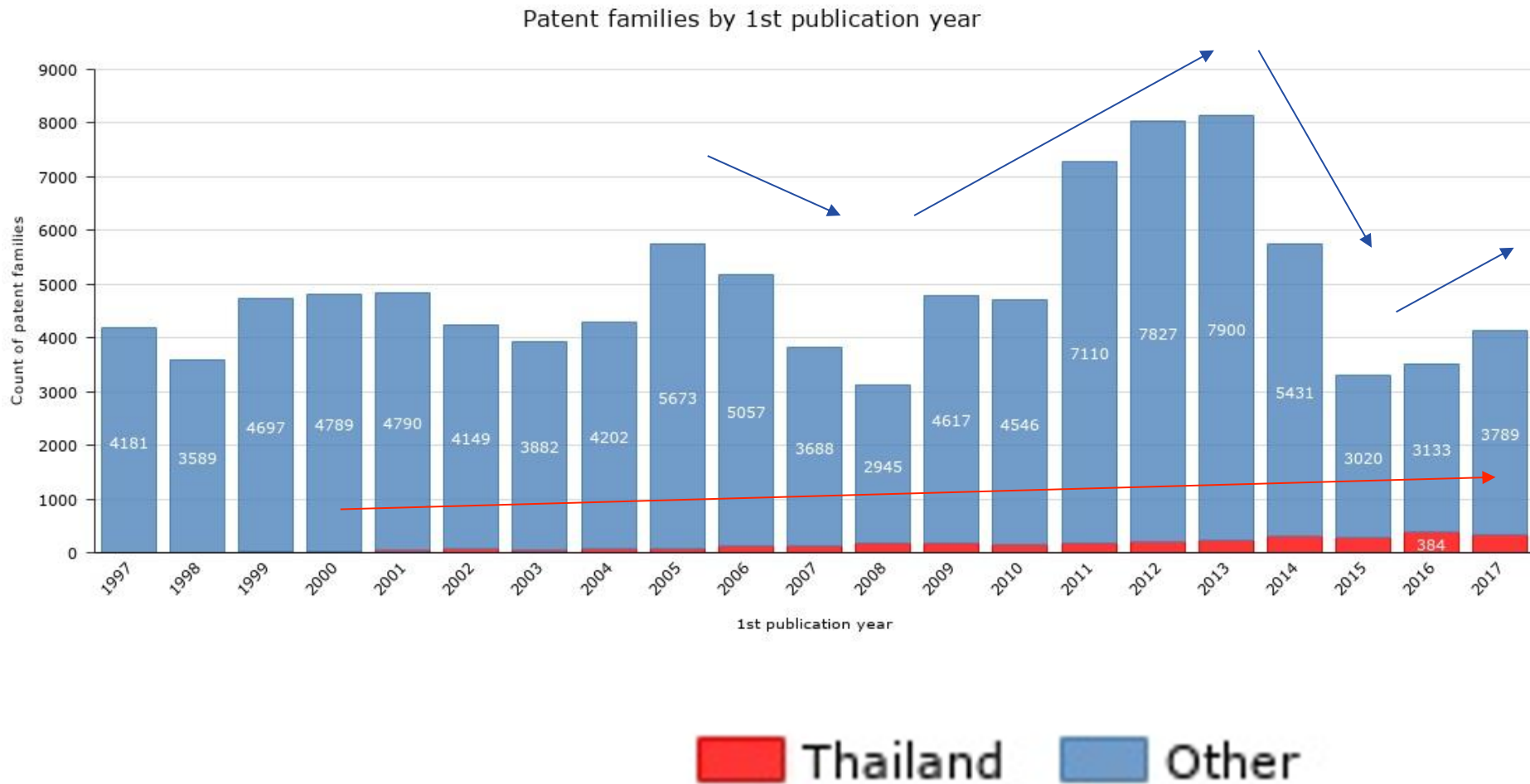
Avirulent, immunogenic flavivirus chimeras	MAHIDOL UNIVERSITY TH* US NAVY*	CY111 6971	2001-08-23	44	39
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THAILAND

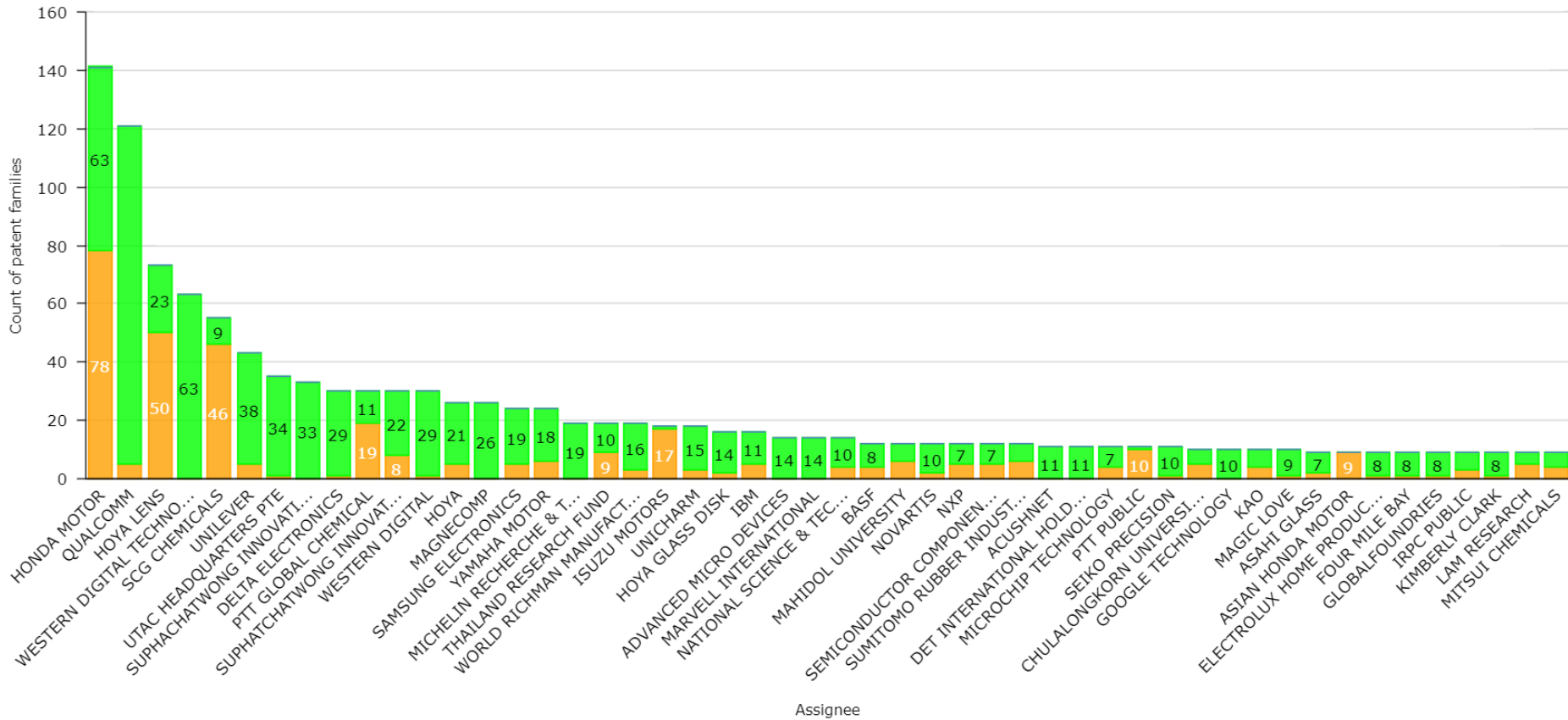


Main assignees publishing in Thailand



Top Entity in Thailand

Patent families by Assignee



■ Pending
 ■ Granted
 ■ Other



Area of focus in Thailand



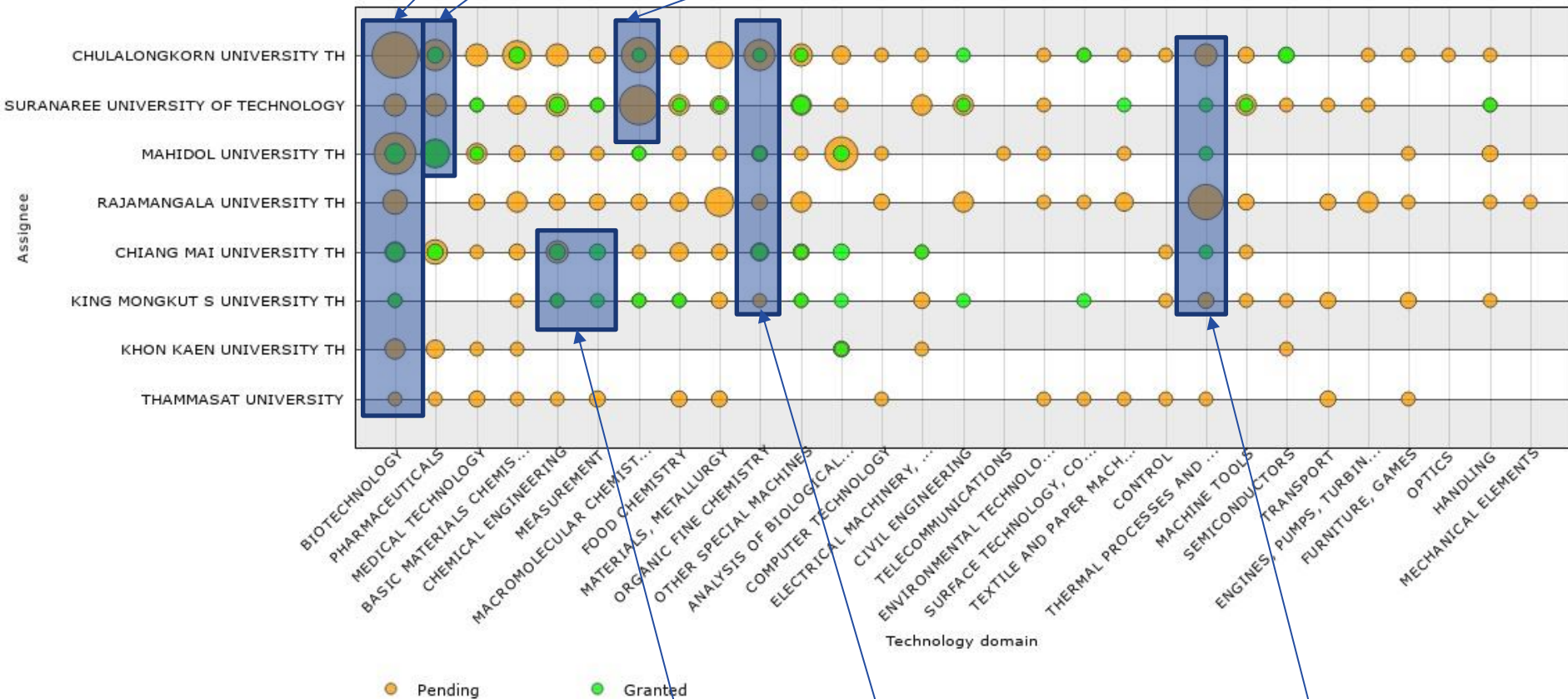


Biotechnology

Pharmaceutical

Macro Molecular Chemistry

Patent families by Technology domain / Assignee



Organic Fine Chemistry

Chemical Engineering

Thermal Processes



Patent the Highest Family size or forward Citation

Avirulent, immunogenic
flavivirus chimeras

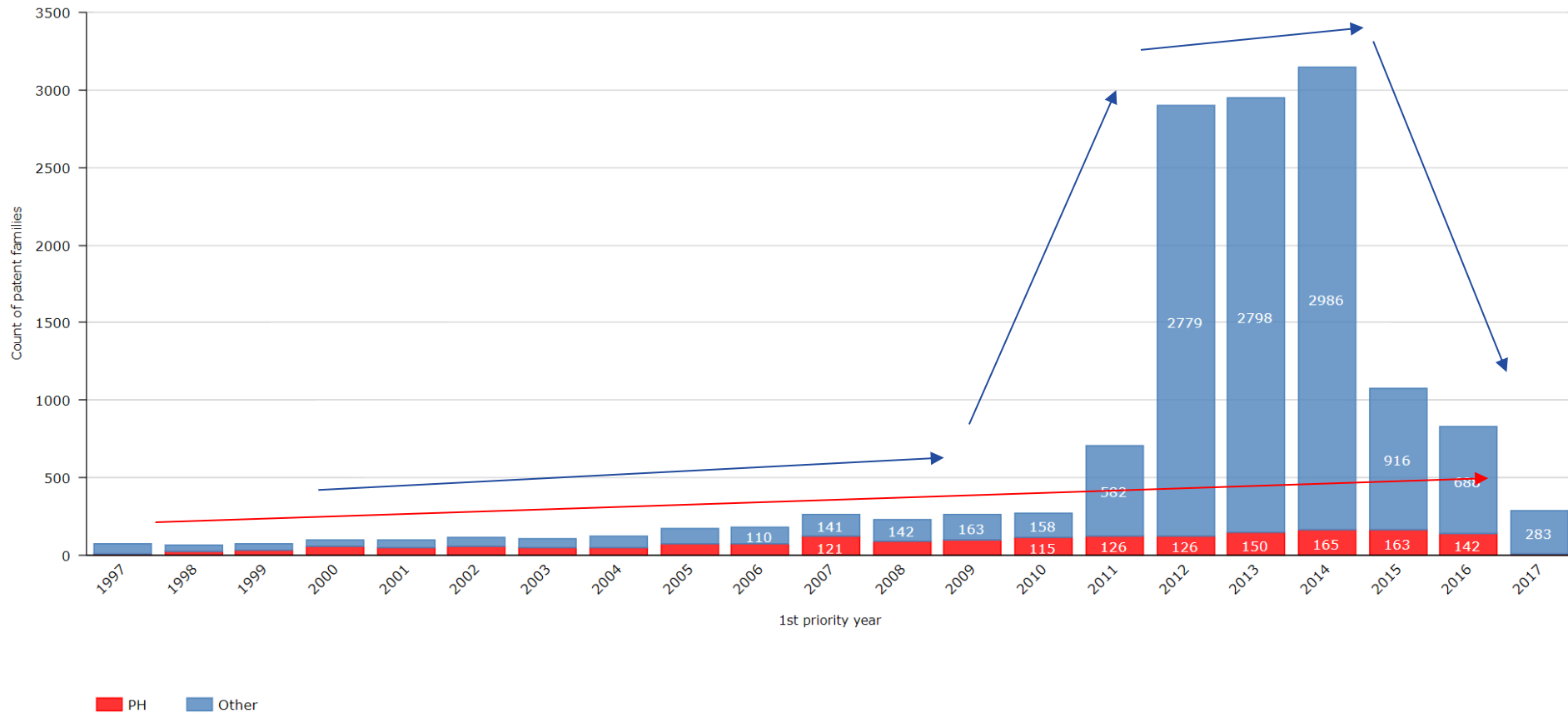
MAHIDOL UNIVERS ITY TH* US NAVY*	CY111 6971	2001-44 08-23	39
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Philippines

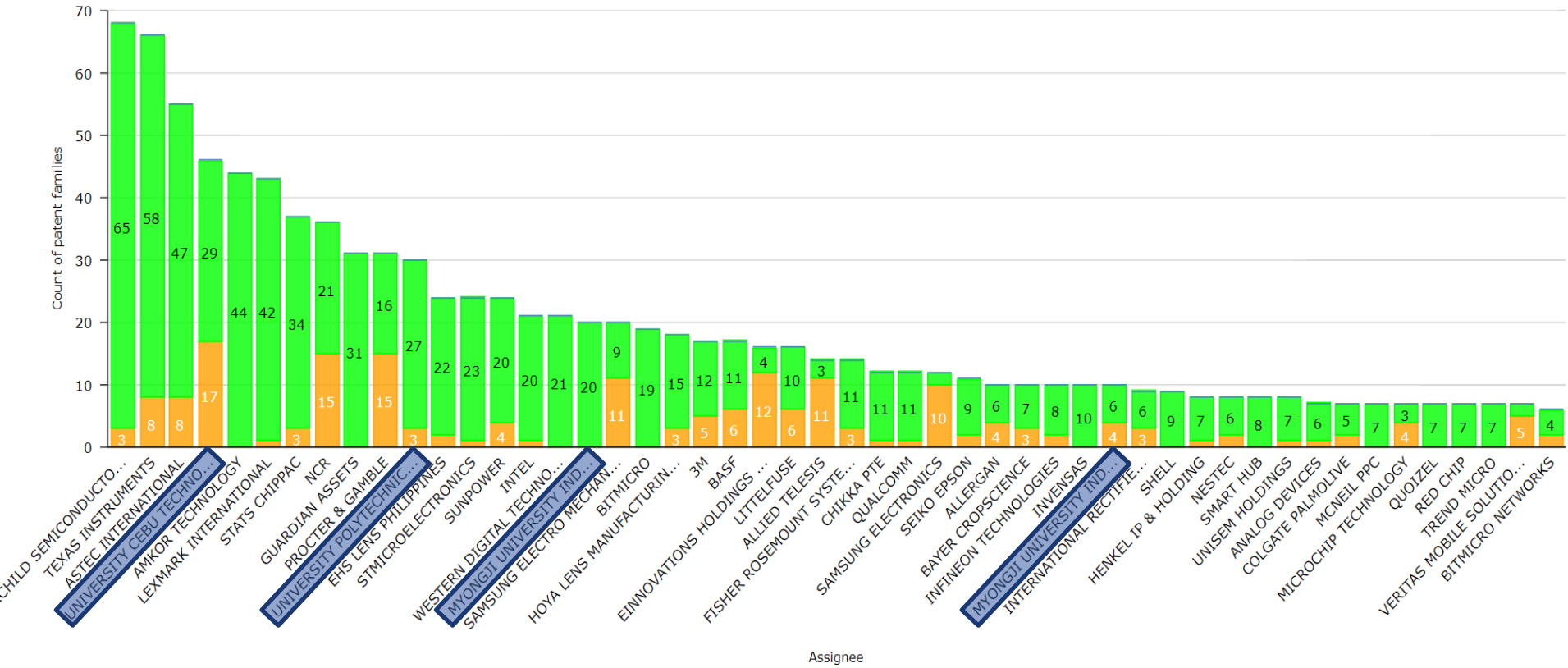


Global Investment VS Local Investment



Top Entity in Philippines

Patent families by Assignee



■ Pending
 ■ Granted
 ■ Other

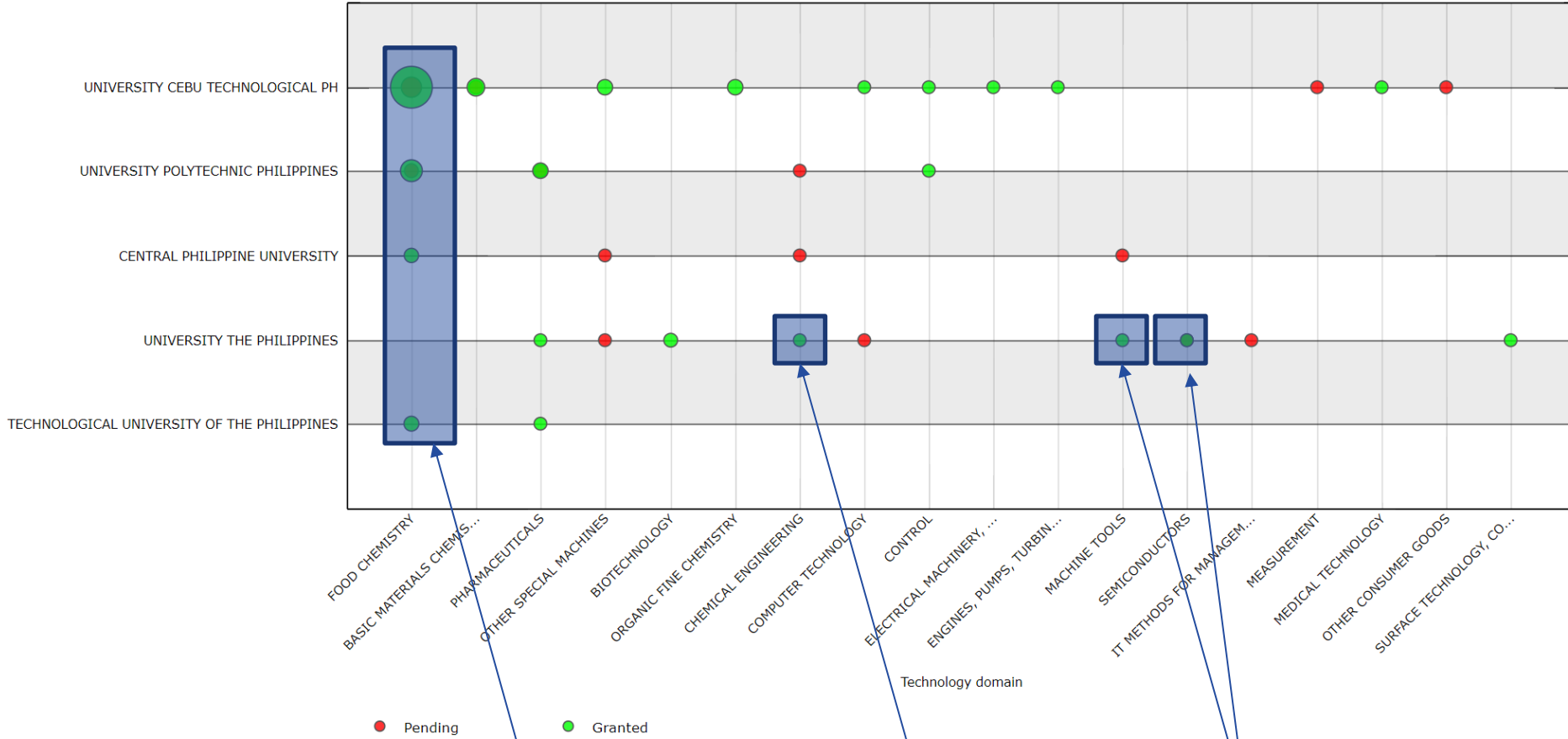


Focus Area of Phillipines



University Area of Focus

Patent families by Technology domain / Assignee



Food Chimistry

Chemical Engineering

Machine Tools and Semiconductor

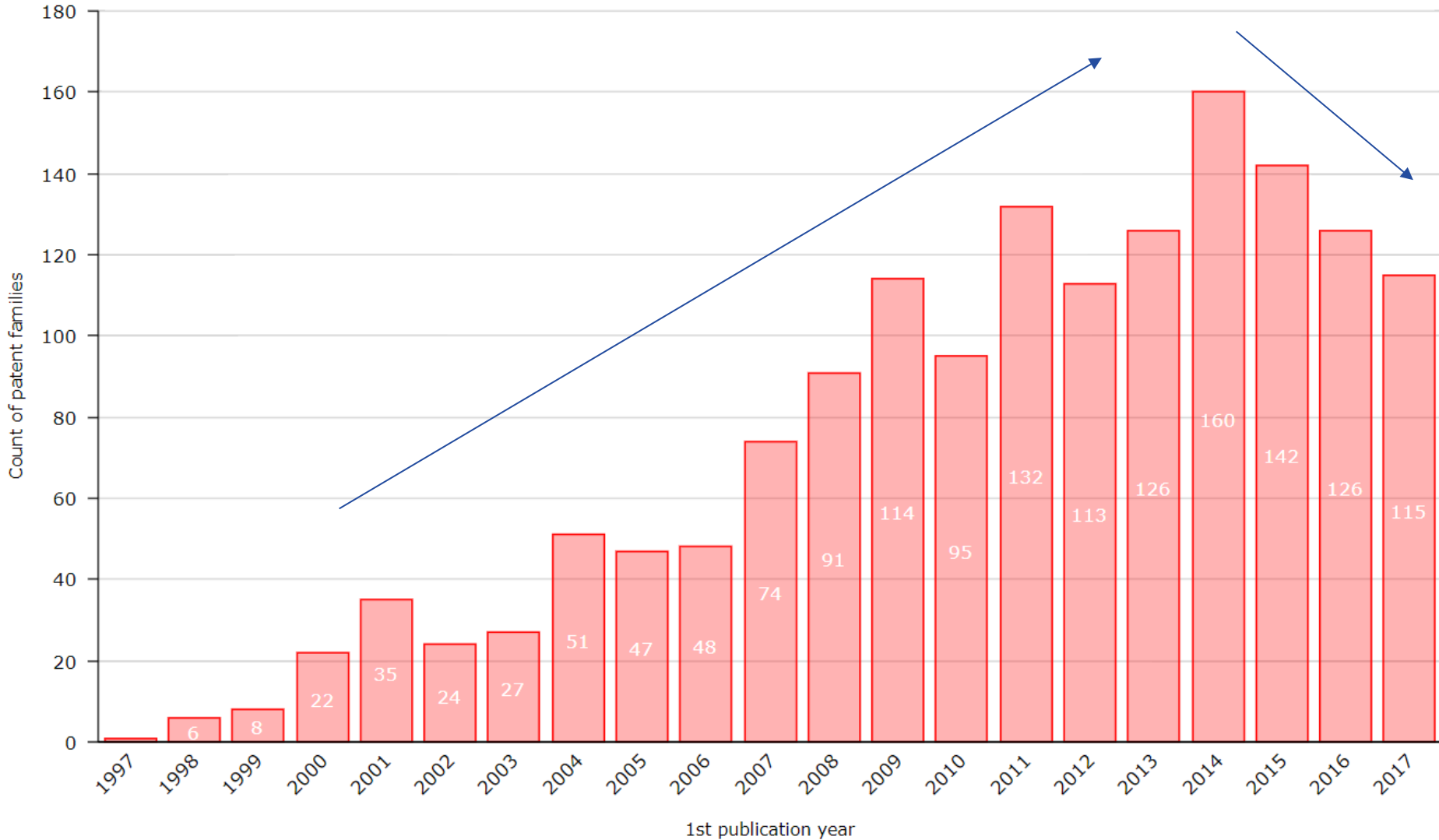


Indonesia



Patent Published from Indonesian Entities

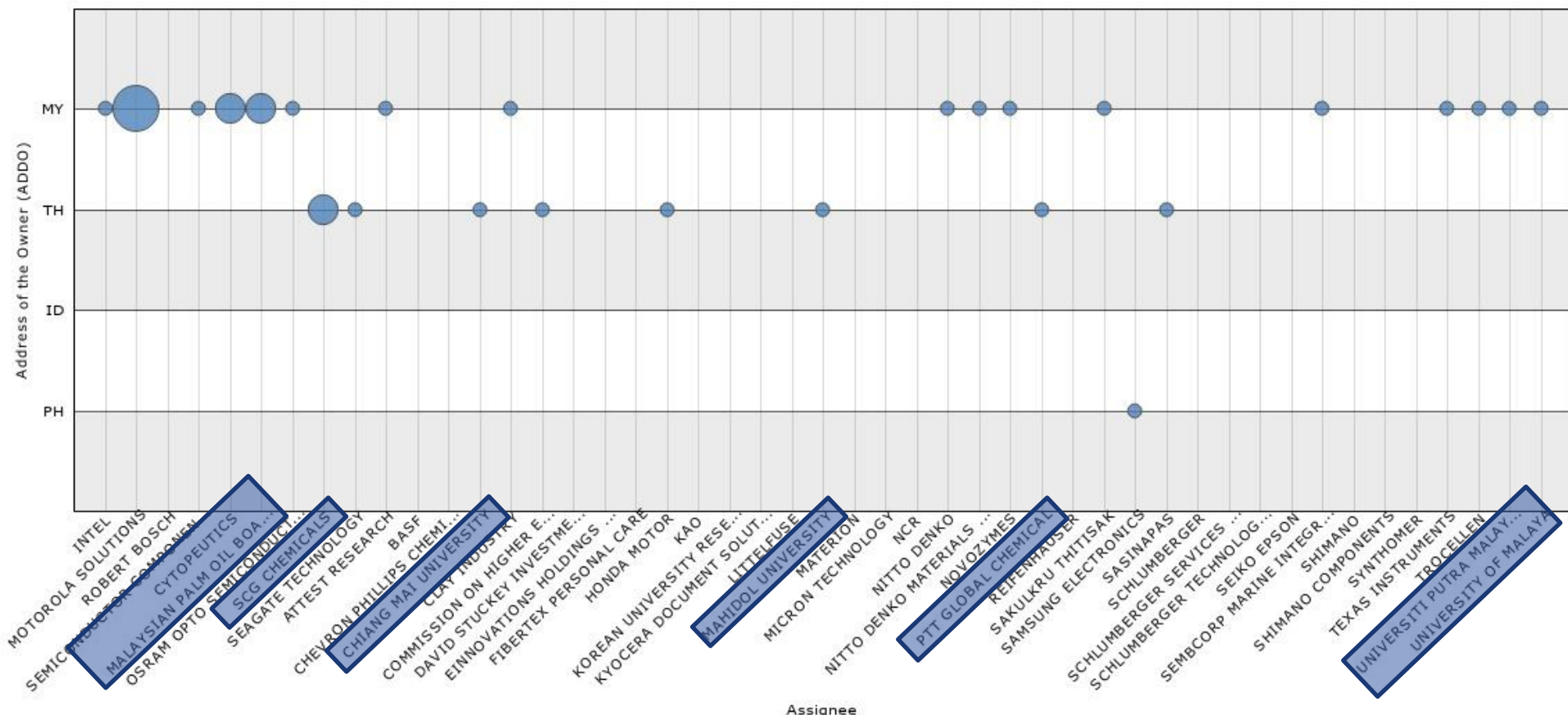
Patent families by 1st publication year



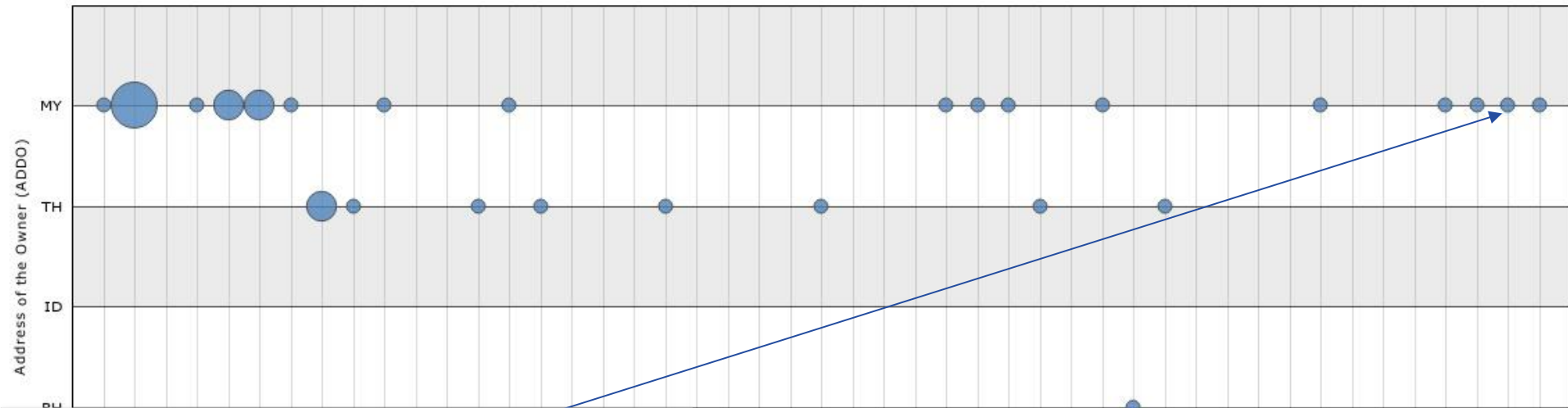
Latest Patent Published



Patent families by Assignee / Address of the Owner (ADDO)



Patent families by Assignee / Address of the Owner (ADDO)



...tract of andrographis paniculata for cognitive enancement

Abstract
 WO2017204619)
 The present invention provides an aqueous extract of Andrographis paniculata leaves containing as main components andrographolide, neoandrographolide and 14-deoxy-11,12-didehydroandrographolide. The invention also provides a method of production of said extract, comprising the steps of drying the leaves of andrographis paniculata, and extracting them with water at a temperature of at least 50 °C. The aqueous extract of Andrographis paniculata Leaves Is suitable for use as cognition enhancing agent having antineuroinflammatory and antioxidative effects.

List of publications

Publication number	Publ. date	Appl. Number	Appl. Date	Document type
WO2017204619	2017-11-30	2017WO-MY0002	2017-07-18	A1 - Published application with

Inventor

- STANSLAS JOHNSON
- SANI DAHIRU
- BASRI HAMIDON
- HASAN SUMON MD SHARIFUL
- LIM CHEE WOEI
- WONG CHARNG CHOON
- AKHIRUDDIN MOHD AL-SAUFREEN
- YONG AUDREYCHEE HUI
- KIRBY BRIAN PATRICK

Assignee

UNIVERSITI PUTRA MALAYSIA*

Representative

(WO2017204619)
 KAUR, Sushil [MY]

Priority Numbers & Dates

2016MY-0701854 2016-05-23

Technology domain

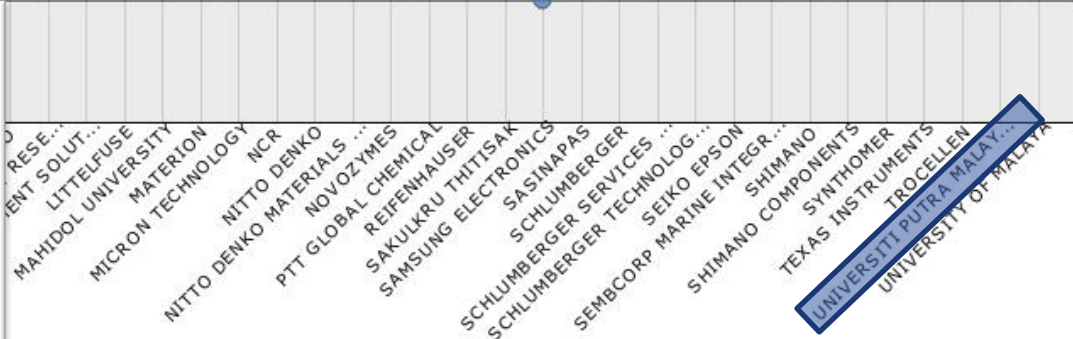
Food chemistry
 Pharmaceuticals

IPC Codes

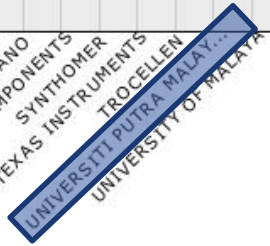
A23L-033/105 A61K-031/365 A61K-031/7048 A61K-031/715 A61K-036/19* A61K-038/00 A61P-025/28 A61P-039/06

Entry Week in the Collection

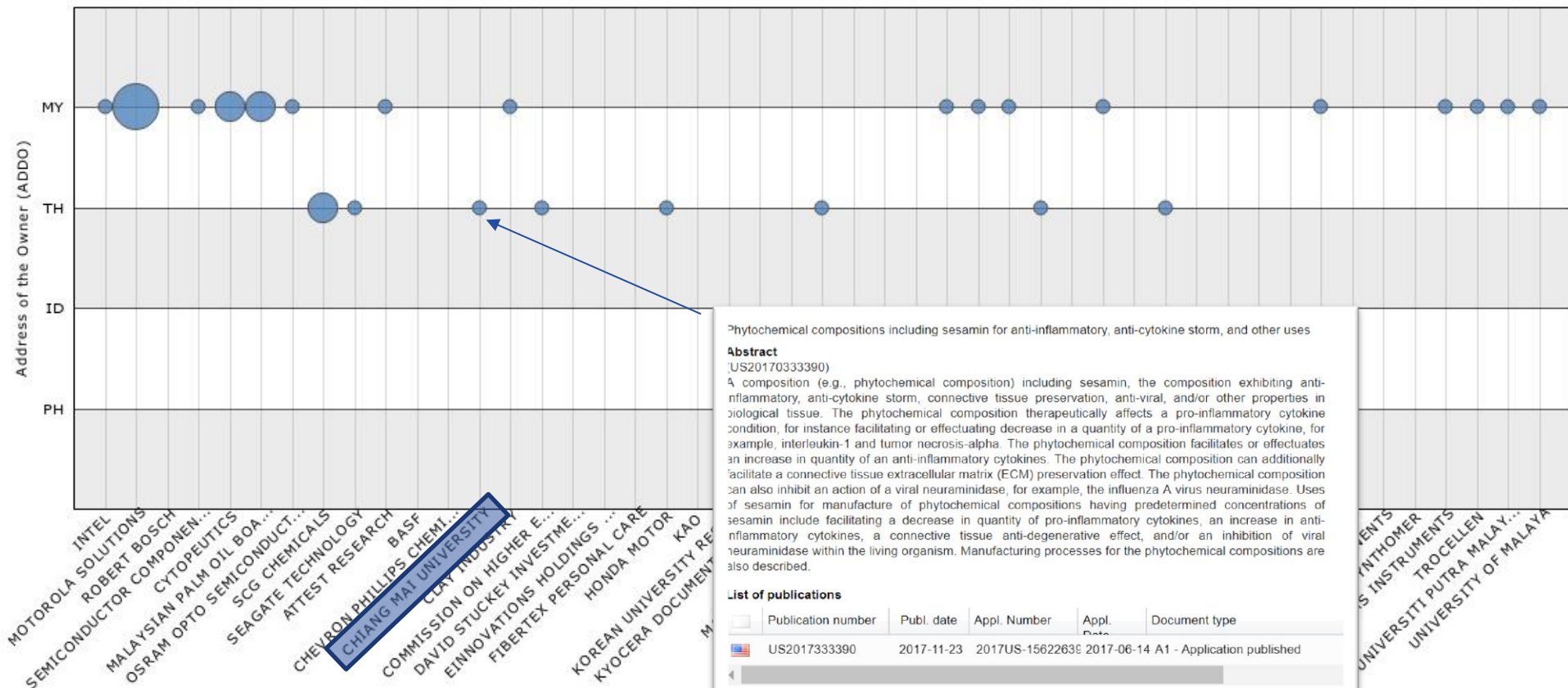
2017-48



Assignee



Patent families by Assignee / Address of the Owner (ADDO)



Phytochemical compositions including sesamin for anti-inflammatory, anti-cytokine storm, and other uses

Abstract
(US20170333390)

A composition (e.g., phytochemical composition) including sesamin, the composition exhibiting anti-inflammatory, anti-cytokine storm, connective tissue preservation, anti-viral, and/or other properties in biological tissue. The phytochemical composition therapeutically affects a pro-inflammatory cytokine condition, for instance facilitating or effectuating decrease in a quantity of a pro-inflammatory cytokine, for example, interleukin-1 and tumor necrosis-alpha. The phytochemical composition facilitates or effectuates an increase in quantity of an anti-inflammatory cytokines. The phytochemical composition can additionally facilitate a connective tissue extracellular matrix (ECM) preservation effect. The phytochemical composition can also inhibit an action of a viral neuraminidase, for example, the influenza A virus neuraminidase. Uses of sesamin for manufacture of phytochemical compositions having predetermined concentrations of sesamin include facilitating a decrease in quantity of pro-inflammatory cytokines, an increase in anti-inflammatory cytokines, a connective tissue anti-degenerative effect, and/or an inhibition of viral neuraminidase within the living organism. Manufacturing processes for the phytochemical compositions are also described.

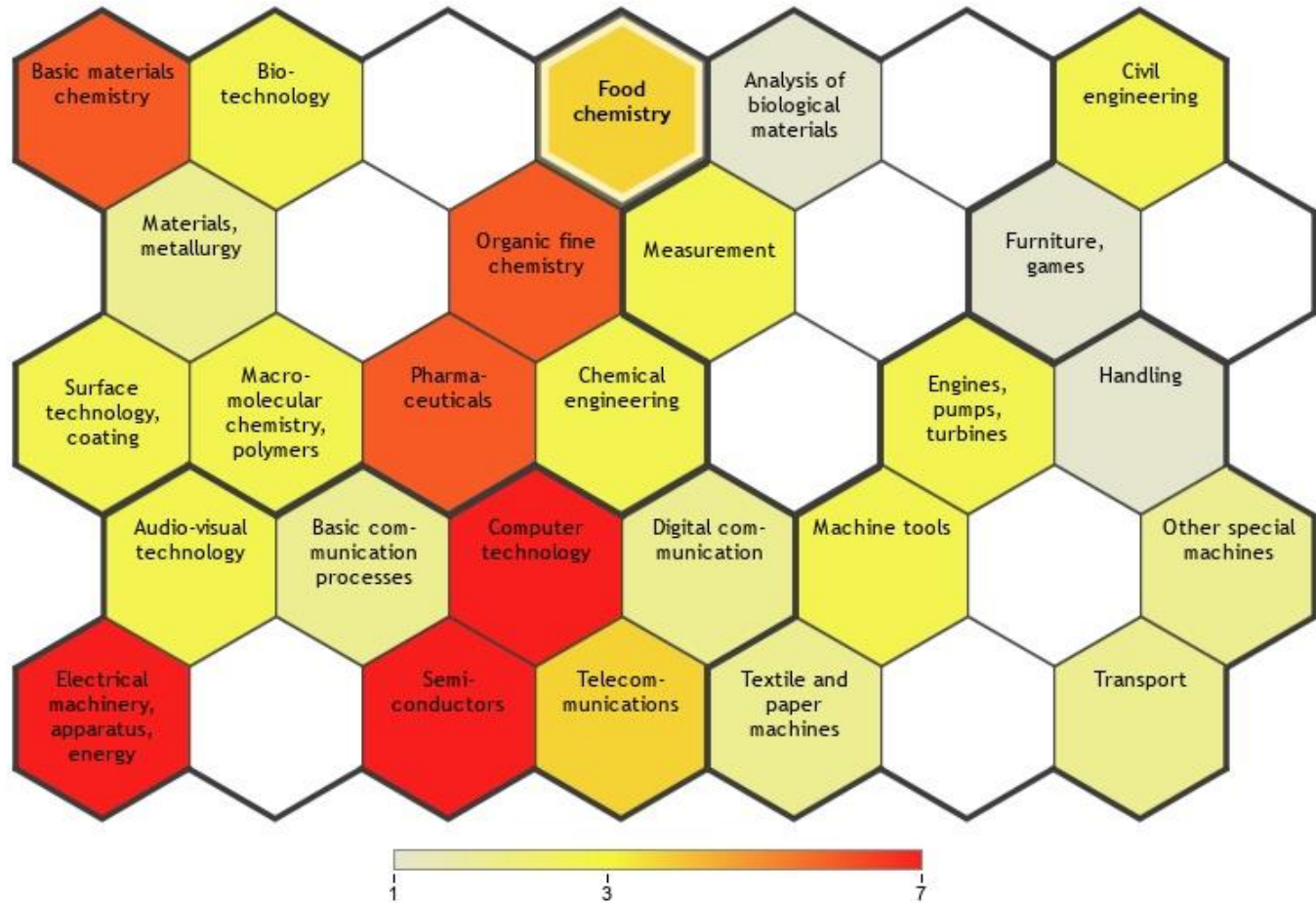
List of publications

Publication number	Publ. date	Appl. Number	Appl. No.	Document type
US2017333390	2017-11-23	2017US-15622639	2017-06-14	A1 - Application published

Inventor	KONGTAWELERT PRACHYA
Assignee	CHIANG MAI UNIVERSITY* COMMISSION ON HIGHER EDUCATION*
Priority Numbers & Dates	2009WO-SG00340 2009-09-14, 2012US-13496189 2012-03-14, 2014US-14561928 2014-12-05, 2017US-15622639 2017-06-14
Technology domain	Food chemistry Pharmaceuticals
PC Codes	A23L-033/105 A61K-031/36* A61K-045/06
CPC Codes	A23L-033/105 A23V-2002/00 A61K-031/36* A61K-045/06
Entry Week in the Collection	2017-47



Patent families by Technology domain



This visualization is based on the International Patent Classification (IPC) codes contained in a patent set being analyzed. The IPC codes have been grouped in 35 technology fields, which are represented here.

Studying the portfolio of an entity:

This graph helps to identify the diversity or the specificity of an applicant's patent portfolio. This illustration enables users to very quickly identify the core business of the player being studied. The least represented categories also serve as a means to identify other potential applications of this actor's patents.

Studying the patents of a topic:

This graph is useful in identifying patents in a domain and in a field that may have multiple uses. It can be a good way to identify new uses for patents already filed.

Note: Categorizations by technology domain are based on IPC code groupings, so patents can appear in several different categories.



Top Ranking (Citation Count)



Highest number of Forward Citation

Title	Family Normalized Assignee name (value)	1st App. date	All citations	Family size	Age	Recent citations
Process to design and fabricate a custom-fit implant	UM My	2009-06-18	59	1	8.0	49
Avirulent, immunogenic flavivirus chimeras	MAHIDOL UNIVERSITY TH;US NAVY	2001-08-23	44	39	16.0	22
Coupling of multiple laser beams to a single optical fiber	UM My	1991-09-17	27	0	26.0	4
Pendulum impact test rig	UPM MY	2004-06-03	25	2	13.0	7
Infectious dengue 2 virus pdk-53 as quadravalent vaccine	MAHIDOL UNIVERSITY AT SALAYA;US DEPARTMENT OF HEALTH & HUMAN SERVICES	1996-12-19	24	0	20.0	12
Interlocking mortarless load bearing building block system	KEMENTERIAN PERUMAHAN & KERAJAAN;UPM MY	2001-03-21	22	2	16.0	4



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in all their IP activities.

Thank you!!!

