

ADC Patent Search

Patent Research & Analytics | Intellectual Property Awareness

Patent Landscape

Prepared for *****

Ref: *****

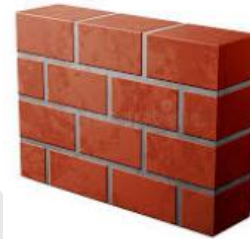
Analyst: Alistair Curson

Started: **Date**

Delivered: **Date**

Strong IP Strategy

A Clear Path to Market & to Drive Margins



IP Offense:

- Commercially Focussed Innovation
- Proactive IP Management
- Monetisation; Assertion; Acquisition
- IP Awareness & Training

IP Defence:

- Landscaping; Freedom-to-Operate
- Proactive IP Management
- Fight Infringement & Counterfeiting
- Oppositions



The Team:

- Top Talent
- Best Practices
- Commercial Impact

Obtain and Process Data:

- Insight into **both** Customers **and** Competitors

Patent Landscape

Overview

A patent landscape was conducted in respect of...

The landscape considered:

- Key players
- Jurisdictions where these players operate
- IP protecting core technologies
- Trends in technology development
- Emerging players

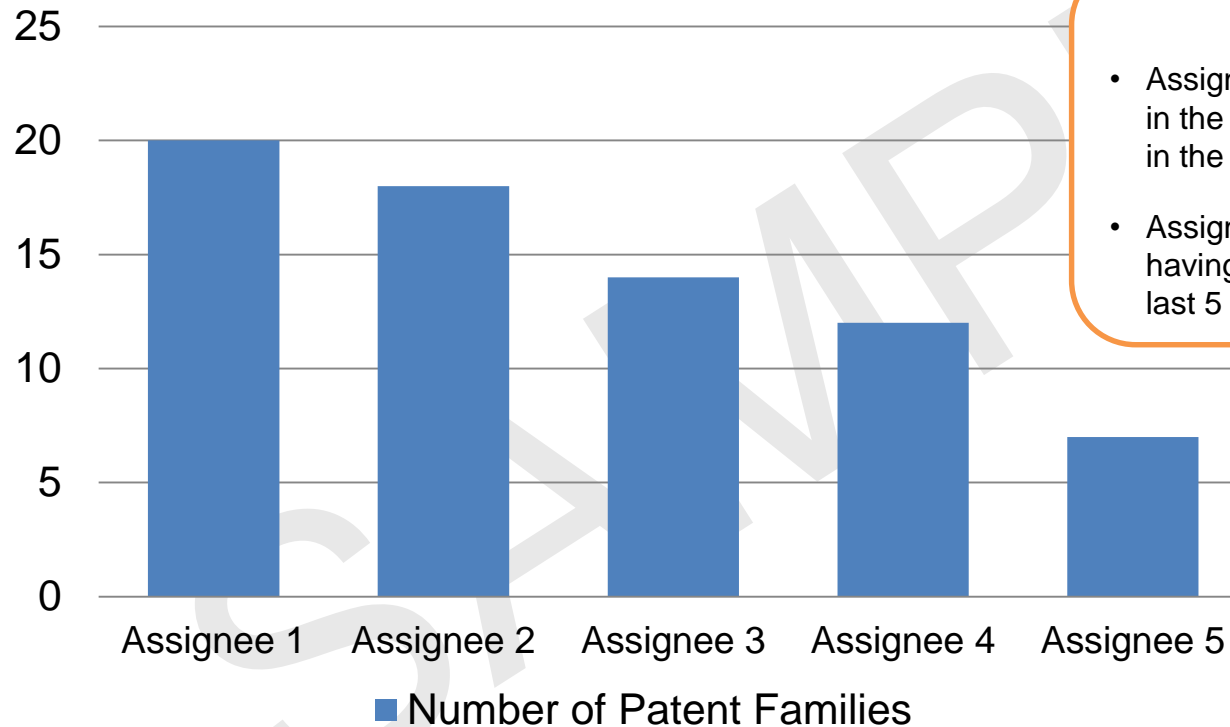
Conclusion

The following observations are made...

Top Assignees

Who are the key players in this space?

Number of Patent Families



Analyst Summary:

- Assignee 1 holds the largest portfolio in the market, but has no new filings in the last 10 years
- Assignees 4 & 5 are new entrants, having only filed in this space in the last 5 years

Top Patent Classifications

What are the key technology segments in this space?

IPC-R

Classification	Number of Families	Description
A61B	150	Diagnosis / Surgery
A61C	130	Dentistry
A61K	90	Veterinary Instruments
C07D	80	Heterocyclic Compounds
C07K	77	Peptides

CPC

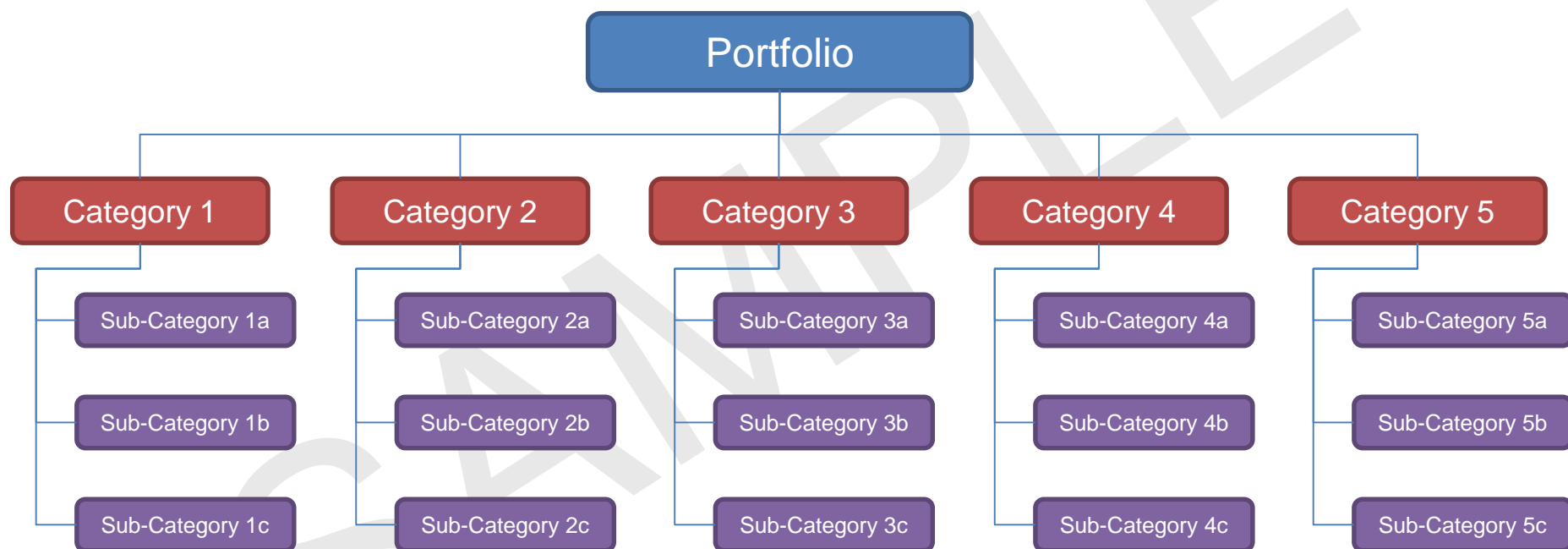
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C07D	80	Heterocyclic Compounds
C07K	77	Peptides

Analyst Summary:

- Within this space, 60% of all filings are focussed on the following technology segments...

Portfolio Taxonomy

What is the in-depth technology segmentation in this space?
Where do key patents & players sit?



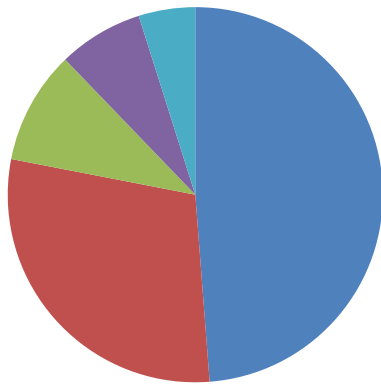
Analyst Summary:

- Assignees 4 & 5 (new entrants) own IP predominantly with Categories 1 & 4

Key Territories

Where is this technology being protected & worked?
Where do key players sit?

Key Territories



■ WO
■ EP
■ US
■ JP
■ GB

■ WO: 500 Families

■ US: 325 Families

■ GB: 85 Families

■ EP: 200 Families

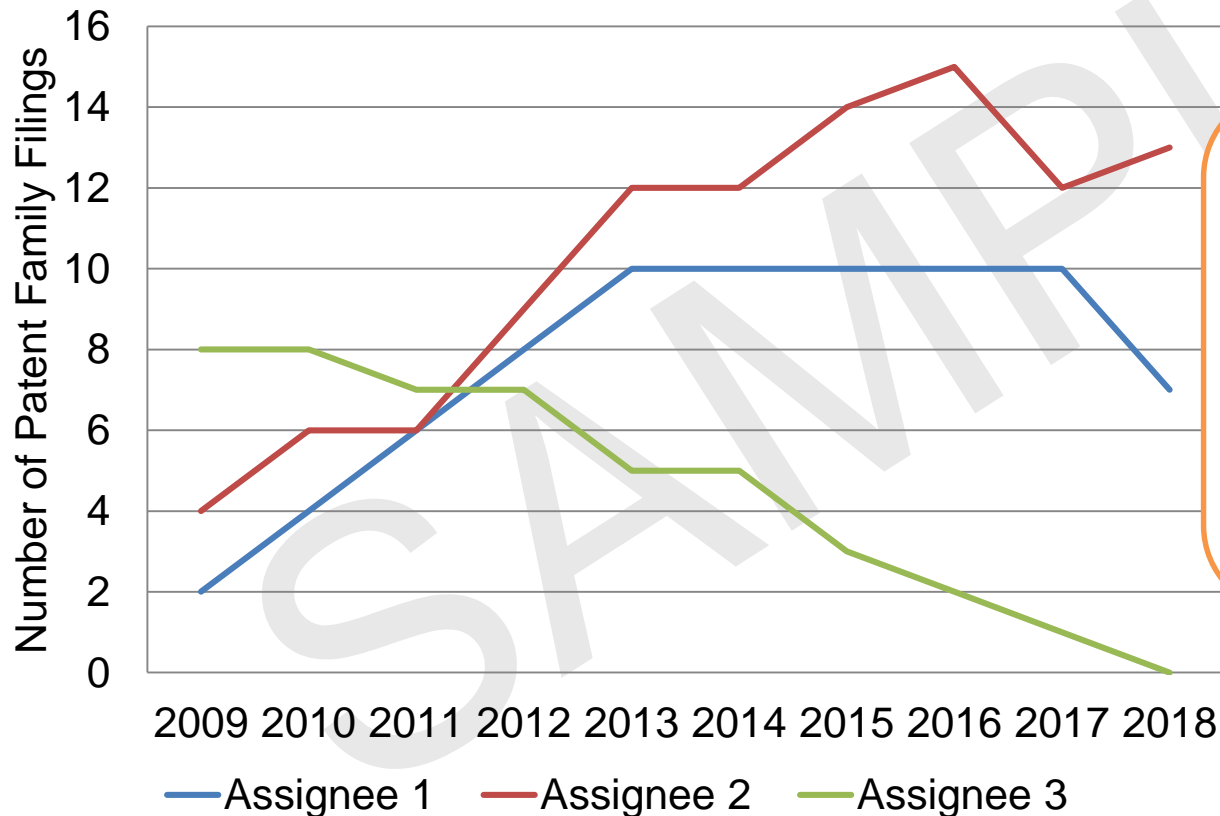
■ JP: 100 Families

Analyst Summary:

- Assignee 1 appears to adopt a PCT filing strategy with most priority applications filed in the UK
- Assignee 4 appears to adopt a national filing strategy in the US only

Filing Trends

Which players are growing their portfolio in this space?
Which players are focussing their efforts elsewhere?



Analyst Summary:

- Assignees 1 & 2 showed increased filing activity until 2013, after which activity plateaued
- Assignee 3's filing activity has steadily decreased over the period investigated
- The recent drop-off in filing numbers is likely attributed to the required 18-month period between patent filing & publication

Key Patents / Top Cited Patents

Which key patents protect the core technology in this space?
Which technologies are being developed?

Patent 1: # citations

Publication Number (40)	Title (54)	Assignee / Applicant (70)	Publication Date (40)	Equivalents
NZ*****	Title Title Title	Assignee	10 April 2018	EP***** JP***** CN***** WO*****
Abstract / 1st Claim Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.				

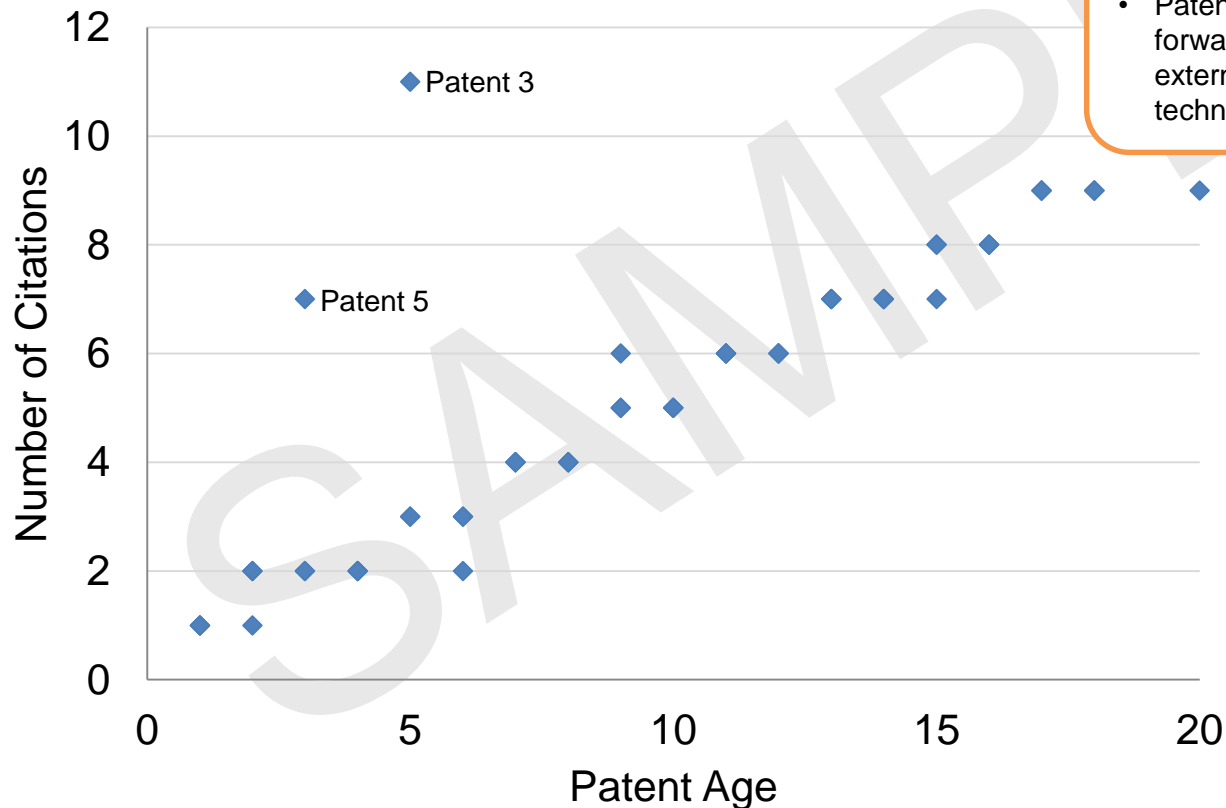
Patent 2: # citations

Publication Number (40)	Title (54)	Assignee / Applicant (70)	Publication Date (40)	Equivalents
US*****	Title Title Title	Assignee	10 April 2018	EP***** JP***** CN***** NZ***** WO*****
Abstract / 1st Claim Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.				

All publication numbers are hyperlinked to free, public sources of the full document, where this is available.

Citations vs Patent Age

Which key technologies are being most actively developed?
Who & where is this third party interest & activity?



Analyst Summary:

- Patents 3 & 5 show disproportionately high forward citation activity, indicating high external interest & development in the technologies protected by these IP rights

Field of Search

Source: Patent Database

Time Period: As required

Jurisdictions: As required

Limits	Keywords / Documents	Classifications
Title, Abstract, Claims	keyword1 AND (keyword2* OR keyword3*)	
Full Text	keyword4	B01D
Forward & Backward Citations	US*****	B01D
Assignees	AssigneeName1 OR AssigneeName2 OR AssigneeName3	

Search strategies are built using:

- Keywords & relevant synonyms, applying truncation where appropriate
- Patent classifications (IPC-R, CPC, FI / F-Terms)
- Citation analysis
- Assignee names, accounting for name variation; mergers & acquisitions; and licensing activity where appropriate
- Inventor names
- Boolean and proximity operators, and appropriate nesting of queries
- Other publications, as well as financial & other business data may be searched & included in the analysis