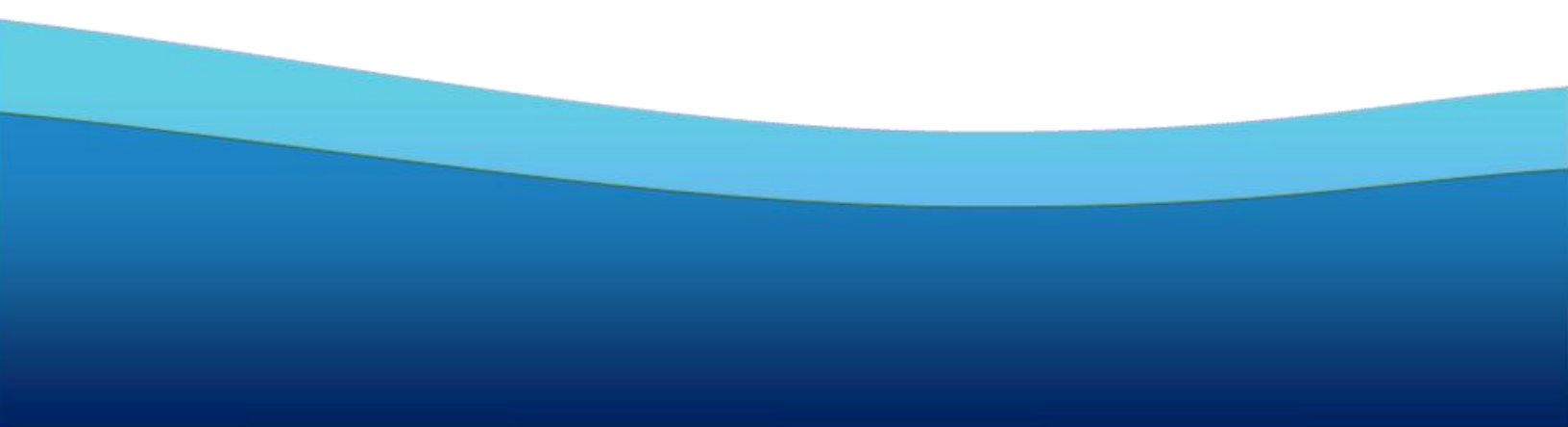


Patents – Annual Outlook -2015

January 2016



The Year 2015 has been a year for gain in the ranking for many assignees including those who were out of top 25 lists in terms of highest number of published patents/patent application (Table 1 & Figure 1). More importantly, there were reshuffle in the top 5 positions too. For instance, Samsung which was on second spot in 2014 superseded IBM from the top for the first time. Interestingly, IBM dominated the list for the consecutive 22 years. Furthermore, Panasonic and Canon have joined the group of top 5 assignees. Interestingly, some of the assignees have entered the top 25

group by taking big leap e.g. global foundries which were on 48th position jumped to 17th. There were some disappointments also for some assignees in terms of ranking, for instance LG and Sony downsides from 5th and 6th position to 9th and 16th position respectively.

The top 25 list is majorly dominated by Asian countries compared to US or European countries. It certainly doesn't mean that US companies have lost their vigor for patents; rather Asian companies have apparently made it a higher priority.

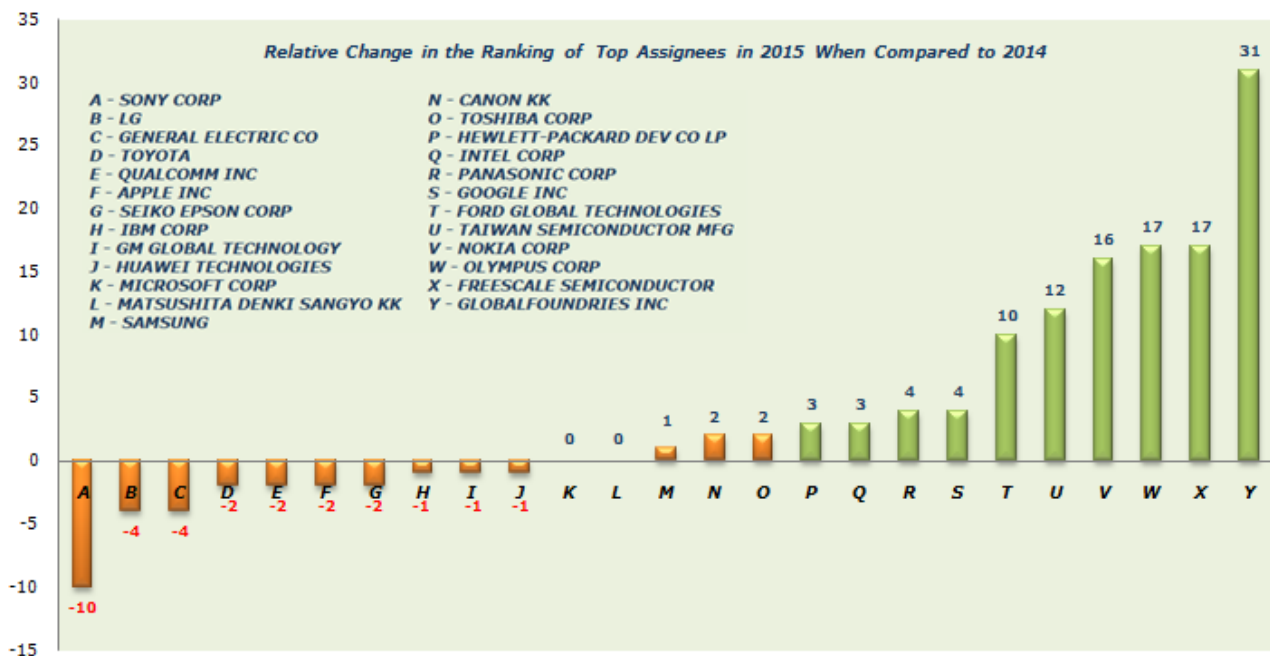


Figure 1: Relative change in the ranking of top 25 assignees of 2015 when compared to 2014

Table 1: Ranking of top 25 assignees of 2015 and their comparison with 2014 ranking

Assignee	Ranking - 2015	Ranking - 2014
SAMSUNG	1	2
IBM	2	1
MICROSOFT	3	3
PANASONIC	4	8
CANON	5	7
TOYOTA	6	4
TOSHIBA	7	9
GOOGLE	8	12
LG	9	5
HEWLETT-PACKARD	10	13
MATSUSHITA DENKI SANGYO	11	11
QUALCOMM	12	10
TAIWAN SEMICONDUCTOR	13	25
INTEL	14	17
GM GLOBAL TECHNOLOGY OPERATIONS	15	14
SONY	16	6
GLOBALFOUNDRIES	17	48
APPLE	18	16
NOKIA	19	35
FORD GLOBAL TECHNOLOGIES	20	30
OLYMPUS	21	38
HUAWEI TECHNOLOGIES	22	21
GENERAL ELECTRIC	23	19
FREESCALE SEMICONDUCTOR	24	41
SEIKO EPSON	25	23

Patent Grant Analysis

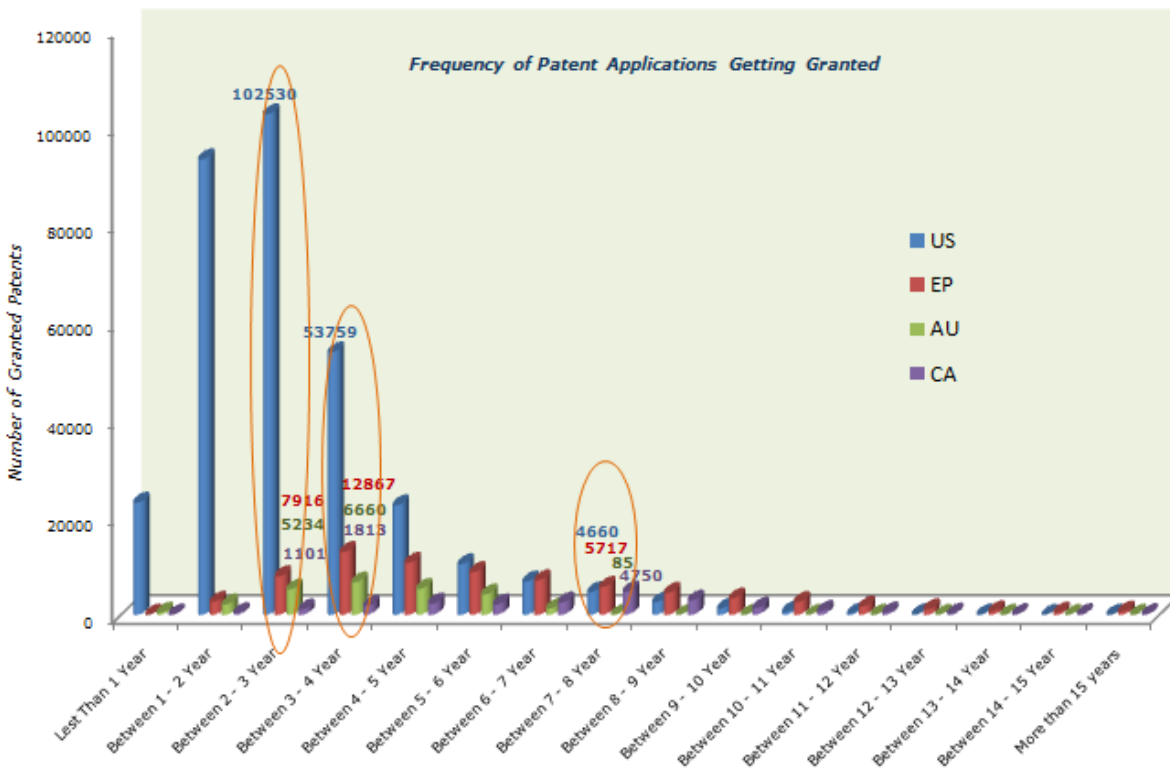


Figure 2: Frequency distribution of patent applications getting granted in different jurisdictions and their respective duration from filing to publication date

The patent grant period analysis for the year 2015 shows that most of the US patent applications were granted in between 2 to 3 years which is quiet less when compared to applications of other jurisdictions such as Europe and Australia (3 to 4 years) followed by Canada which takes quiet long period for granting patent applications (7 to 8

year). Notably, majority of patent applications are filed and getting granted in US when compared to any other jurisdictions worldwide. This data gives a glimpse that US have more efficient system in place for patent prosecution and that is why it is leading in innovation.

Technology: Bird's eye view (Based on DWPI class)

DWPI Broad Class Analysis

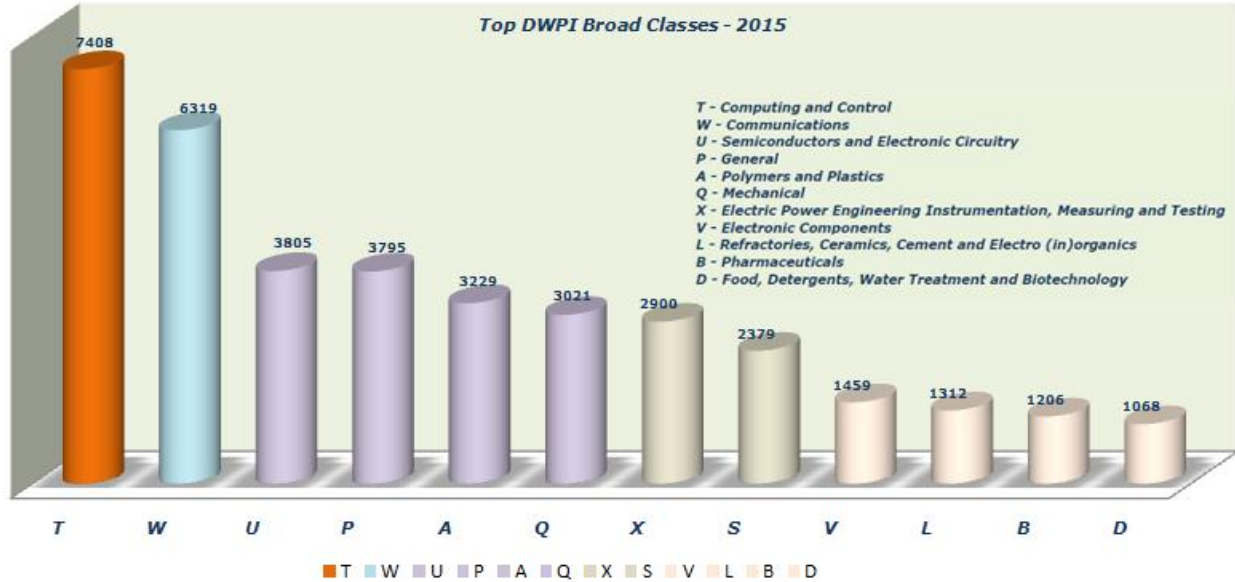


Figure 3: Top DWPI broad classes in the year 2015

Patent applications are filed under various technological domains. The DWPI broad as well specific classes for 2015 suggest that most of the patent/patent applications have been published in computing and control domain (Figure 3 & Table 2-3).

Summary

Last year observed a major turmoil in the ranking dashboard of patent filing companies. For the first time in last 22 years, IBM slips to second position after Samsung surpassed it. And overall the top list was dominated by

the Asian companies. It's the United States of America where patents are granted in least time, making it a preferred jurisdiction for patent applicant. When analyzed for the technology sector, most of the patents/ patent applications were observed to be published in computing and control domain. This report gives provides users a quick insights into the trends in patent domain for the year 2015.

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At Ingenious e-Brain Solutions, we assist our clients in increasing their efficiency and effectiveness. We understand their internal processes and develop the best strategy to positively impact their business. We operate as an extension of their existing team with an aim to consistently deliver innovation and value to their business.

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