

PatentsView.org & Patent Analytics: *A Report from the Field*

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Patent Landscape Reporting

• My favorite things about PatentsView.org

- From the Data Download section:
 - cpc_group
 - cpc_subgroup
 - cpc_subsection
- These files can be imported into Excel and used as lookups to categorize tens of thousands of patent records
- On the site Tech Fields are based on the IPC to Technology concordance
- Also like the Data Query function for bulk downloads

Data Download Tables

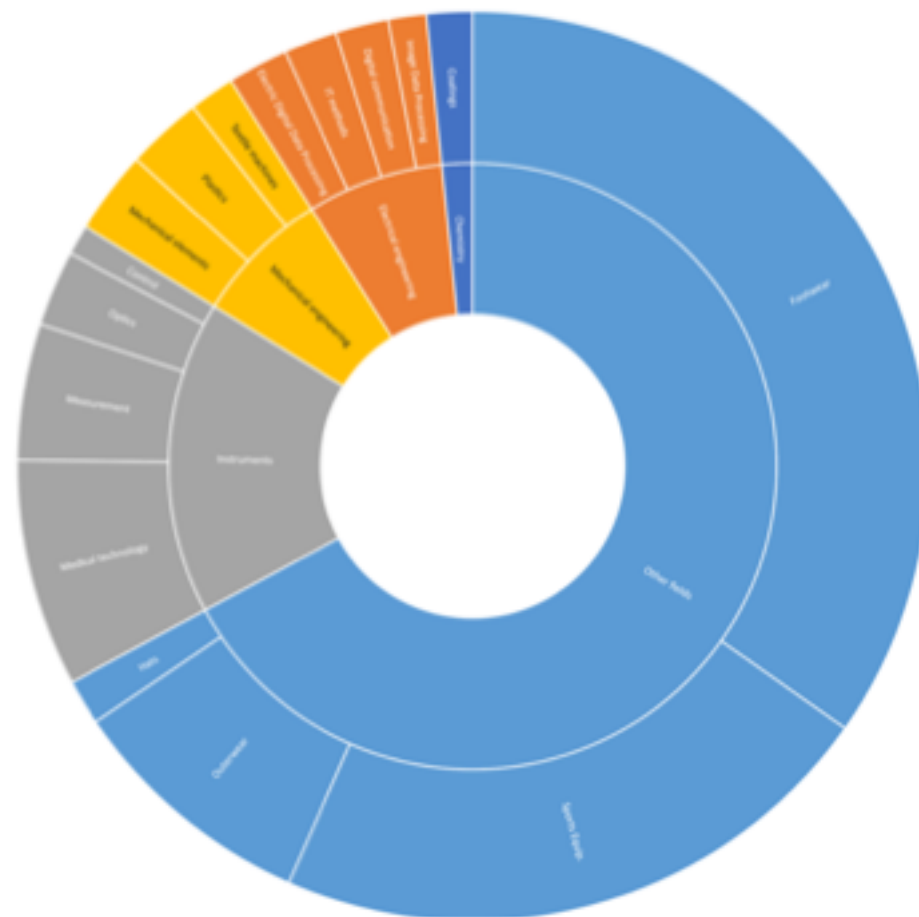
TABLE NAME	DESCRIPTION	# OF ROWS	ORIGIN
application & 0.047 GB	Information on the applications for granted patent	6,366,664	raw
assignee & 0.011 GB	Disambiguated assignee data	376,913	disamb
botanic & 0.0 GB	Botanic information for plant patents	12,805	raw
brf_sum_text & 12.176 GB	Brief summary text	5,813,766	raw
claim & 10.658 GB	Full text of patent claims, including dependency and sequence	89,944,541	raw
cpc_current & 0.86 GB	Current CPC classification data for all patents (applied retrospectively to all patents)	32,874,742	raw (from separate classification files)
cpc_group & 0.018 MB	Lookup table of current CPC groups	656	raw (from separate classification files)
cpc_subgroup &	Lookup table of current CPC subgroups	259,048	raw (from



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• With this data we can create some interesting visualizations

- This is a visualization of almost 500 patent families from a major sportswear manufacturer based on their publications from the last five years
- The inner circle represents the Tech Sector as found in the IPC to Technology concordance
- The outer circle is primarily based on the CPC subgroup designation
- The majority of their portfolio covers products, but about 35% is on manufacturing and infrastructure



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• A framework for conducting patent analytics

- The Linear Law of Patent Analysis
 - Develop a Collection of Analysis Tools
 - Understand the Need Behind the Need
 - The Need Drives the Question
 - The Question Drives the Data
 - The Data Drives the Tool
- Why is this important?
 - To a man with a hammer, everything looks like a nail



• A wish list for patent analytics

- Standardize on application number instead of publication number
 - Documents with the same application number are simply different versions of the same document
 - Data for all documents with the same application number should be available in one place
- Develop a global standard for patent families
 - Once this is established the data for all family members should be available in one place
- Develop a global standard for patent assignees
 - Some efforts are underway, but best if major patent offices enforced this



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