Leveraging PatentsView’s API for Better Analyses

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Too much information is not always a good thing
I see ... colors

• Problem is not with the data but how we attempt to interpret and use the data
• Two conventional options:
  — Paid services
    • Thomson
    • IFI Claims
  — DIY
    • Slow, sequential, per-asset data gathering
    • Adding one more asset is just a minute or two more of time spent, however ...
A Game of Zeros

• For large families, assets increase by orders of magnitude (x10, not +1)
• How many zeros need to be added to the number of assets to check before conventional data gathering becomes impossible for a company or law firm?
  – 1 asset = 1 minute/person
  – 10 assets = 10 minutes/person
  – 1000 assets = really?
  – 10,000 assets = enough staff to accomplish in a month?
Before using PatentsView.org

- Find all family members & Block/Copy/Paste into Excel
- Scrape every screen via macros
- Free services
  - USPTO
  - Google patents
  - Espacenet
- Paid services
  - Thomson
  - IFI Claims
Using PatentsView.org

- One search = Bundled results
- API = get exactly what you need, when you need it
Extracting Titles from PatentsView.org
Extracting Abstracts
Extracting Cited Patents

<table>
<thead>
<tr>
<th>Patent Number</th>
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<td>9773928</td>
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[Excel spreadsheet showing patent numbers]
Integrates well with other datasets and commonly available software

- USPTO Databases
- PatentsView.org
- OPS of Espacenet

Connecting to:
- Microsoft Excel
- Microsoft Visio
- NodeXL Template for Microsoft Excel
Add in Data from Other Sources

• US Patents
  – http://patft.uspto.gov/netahtml/PTO/
• US Publications
  – http://appft.uspto.gov/netahtml/PTO/
• OPS from Espacenet
  – https://worldwide.espacenet.com/
• Global Dossier
  – USPTO Portal or Espacenet Portal
• WIPO
  https://patentscope.wipo.int/search/en/search.jsf
• CCD
  – http://ccd.fiveipoffices.org/CCD-2.0.4/
Permits Clustering Analyses
No More All-or-Nothing Patent Families
Add in Equivalency from OPS (Open Patent Services from Espacenet.com)
A modest wish list

- Weekly updates (currently twice a year)
- Expand to include US Patent Publications
- Leverage interface to permit access to other USPTO datasets
  - Global Dossier
    - Just a lookup, needs search capability
  - Assignment
    - Uses difficult-to-integrate attribute-based XML instead of easier-to-integrate element-based XML
  - PAIR Bulk Data (PBD)
  - Patent Examiner Data System (PEDS)
  - New Text and XML items from Private PAIR