

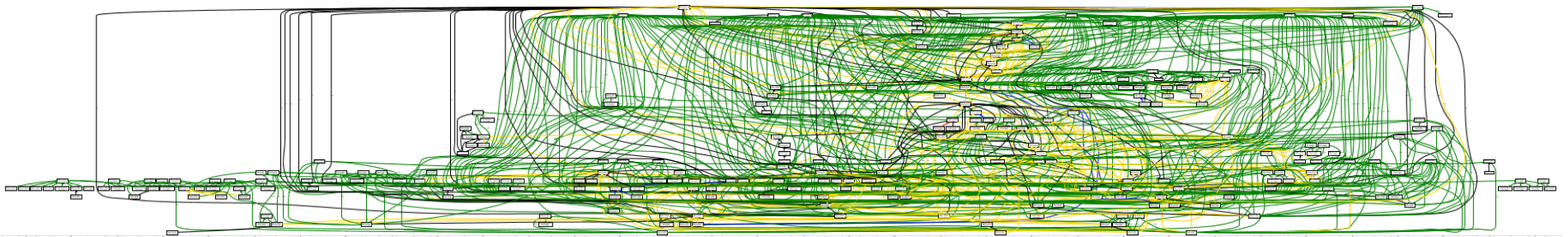


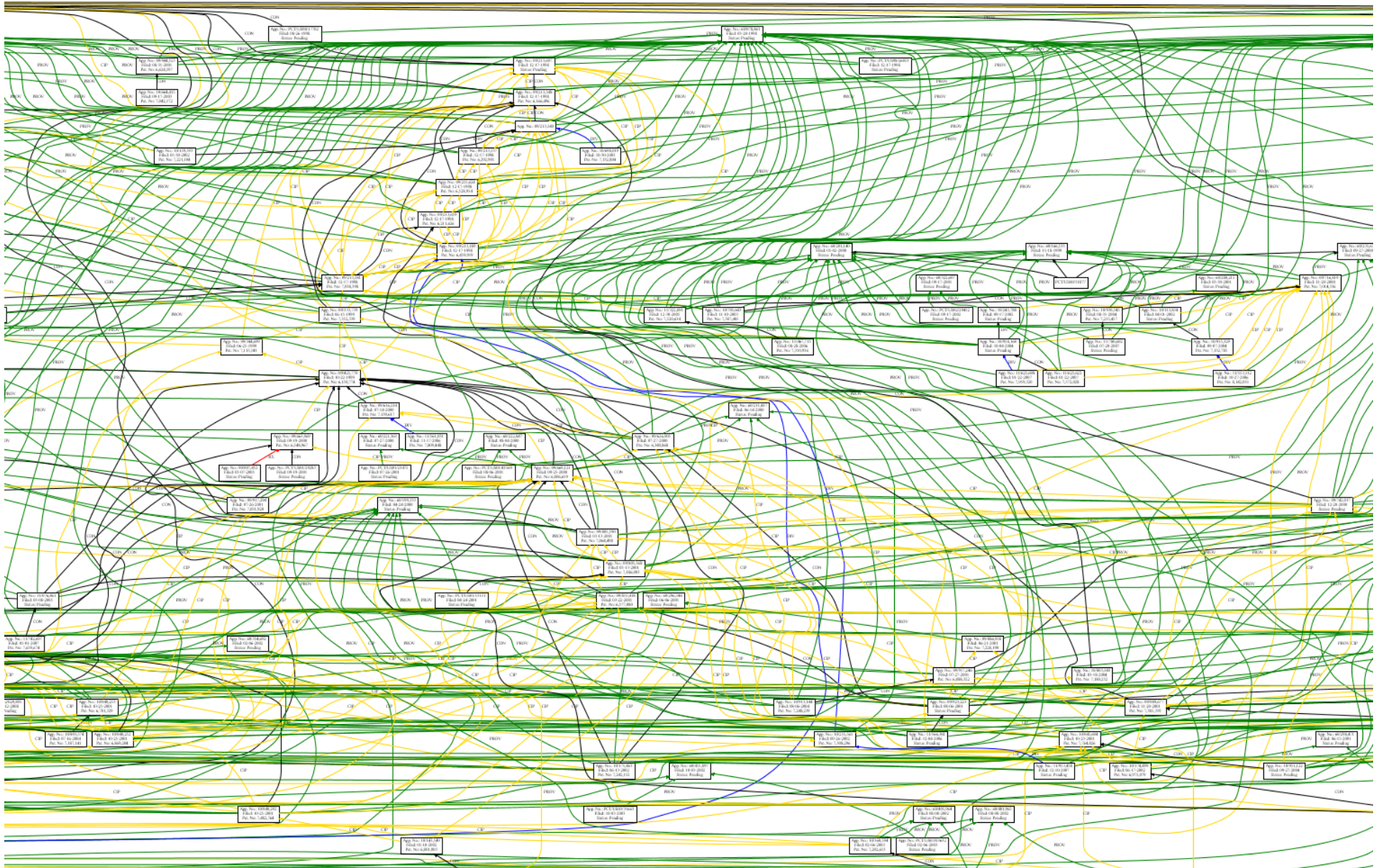
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INTELLECTUAL PROPERTY LAW

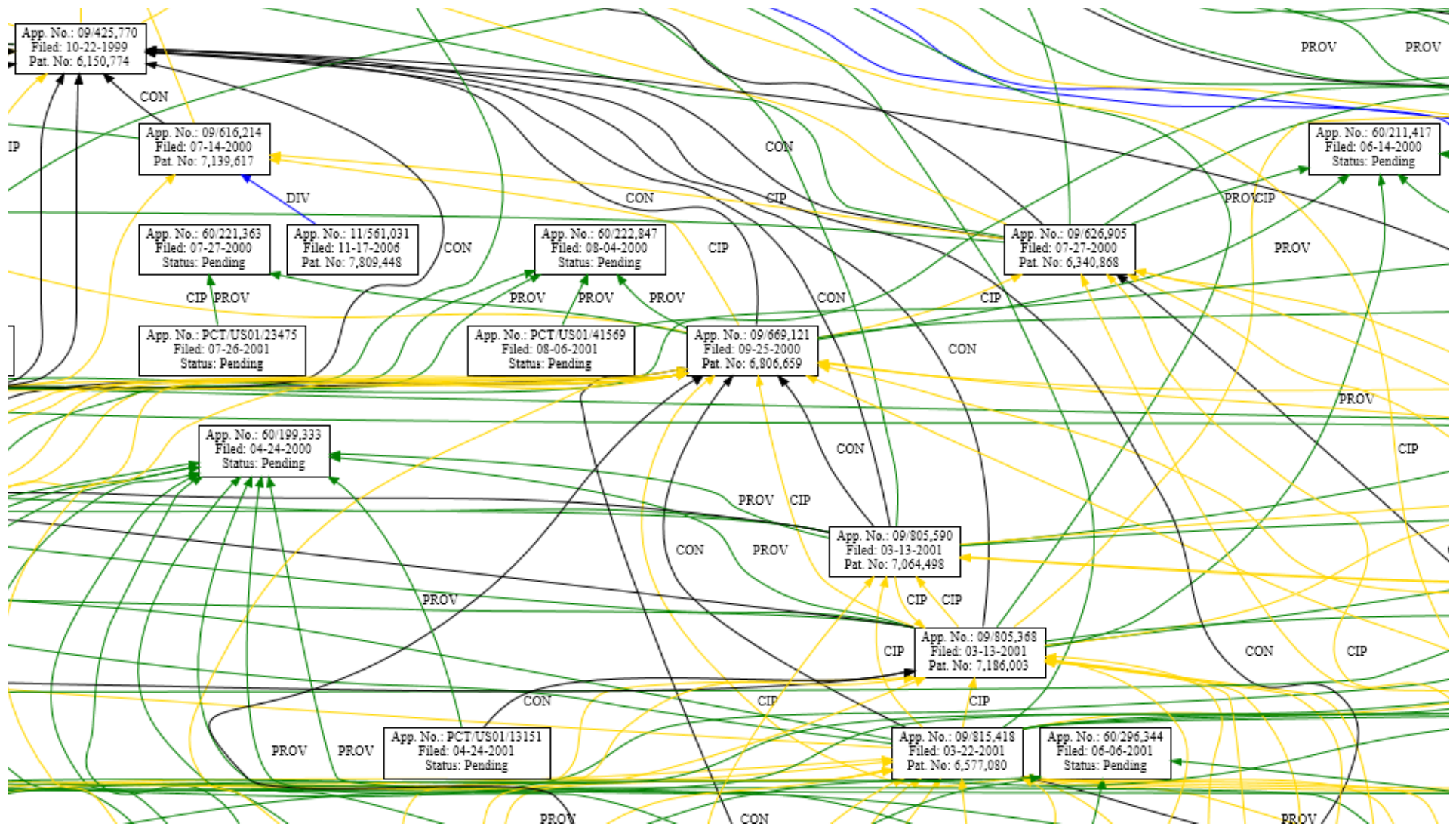
Leveraging PatentsView's API for Better Analyses

Christopher Glembocki

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

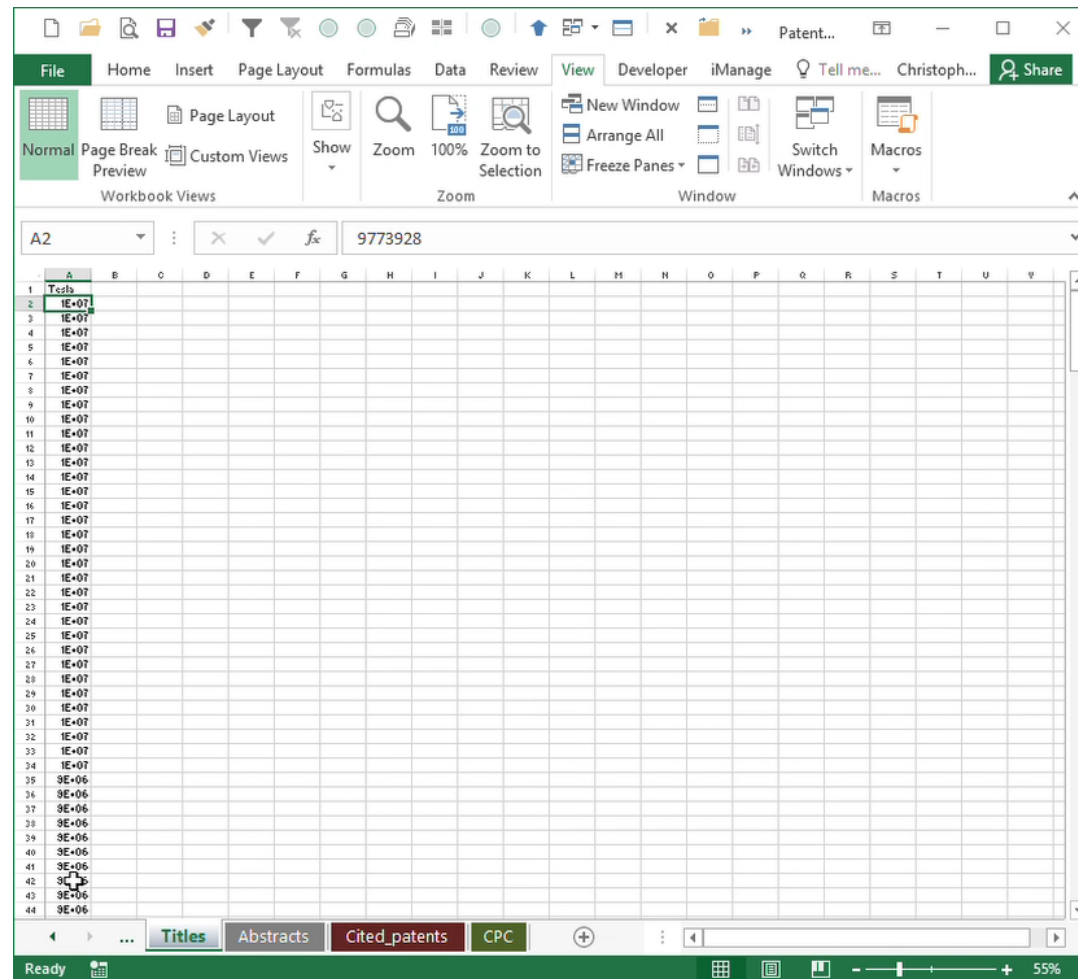
- Find all family members & Block/Copy/Paste into Excel
- Scrape every screen via macros
- Free services
 - USPTO
 - Google patents
 - Espacenet
- Paid services
 - Thomson
 - IFI Claims



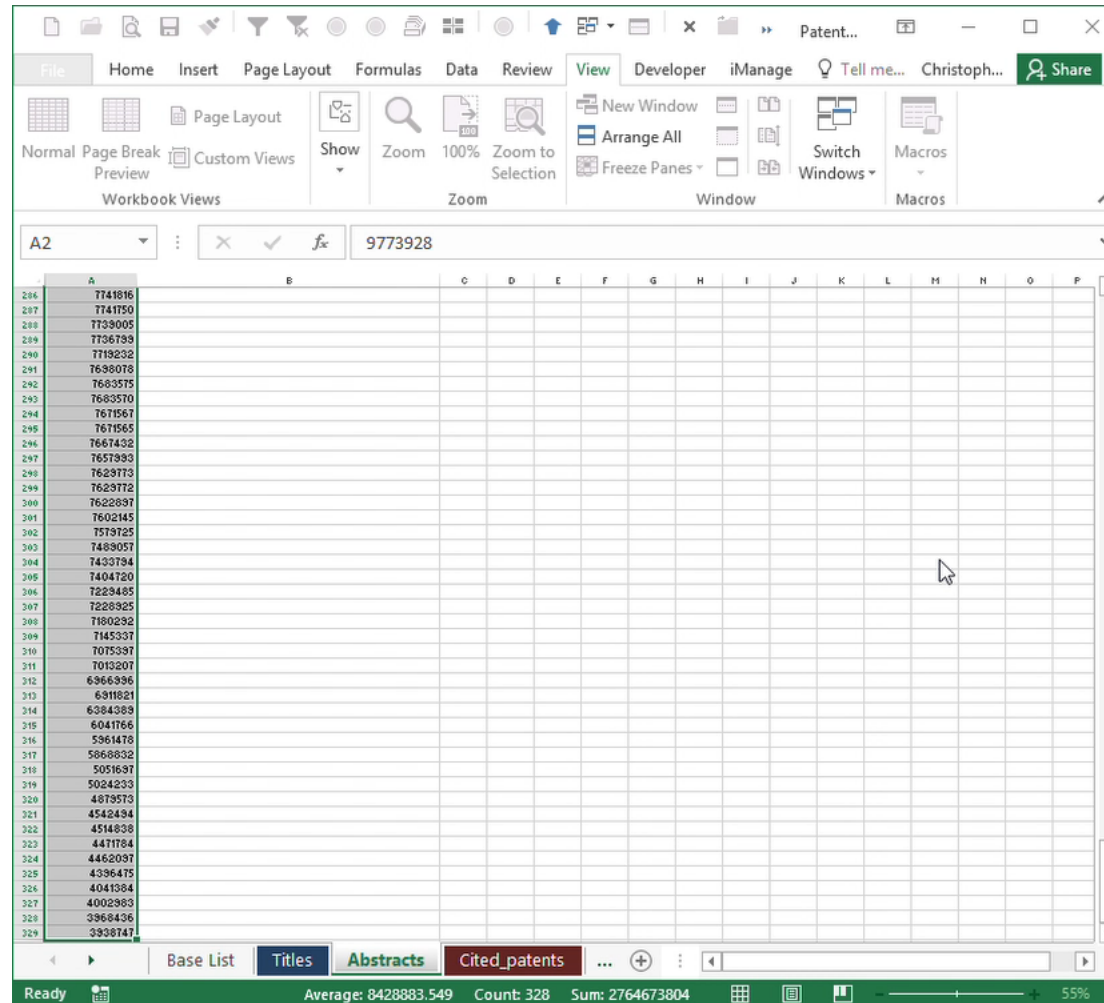
Using PatentsView.org

- One search = Bundled results
- API = get exactly what you need, when you need it

Extracting Titles from PatentsView.org



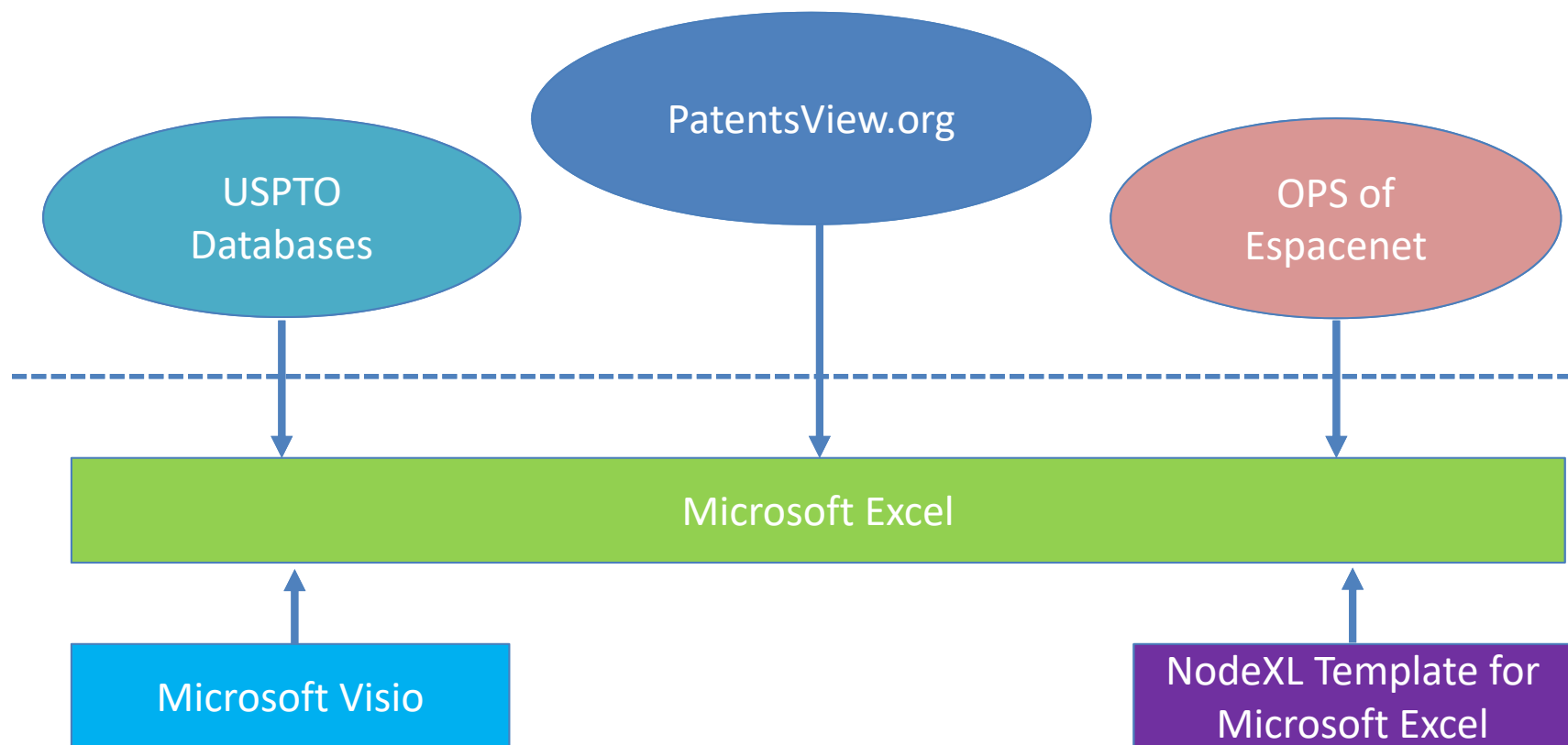
Extracting Abstracts



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
204	7741616															
207	7741750															
208	7739005															
209	7736789															
240	7719232															
241	7698078															
242	7683575															
243	7683570															
244	7671567															
245	7671565															
246	7667432															
247	7657993															
248	7629773															
249	7623772															
249	7622697															
241	7602145															
242	7579725															
243	7489057															
244	7433794															
245	7404720															
246	7229485															
247	7228925															
248	7180292															
249	7145337															
210	7075397															
211	7015207															
212	6966996															
213	6911821															
214	6394369															
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221	4542494															
222	4514838															
223	4471784															
224	4462097															
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226	4041364															
227	4002383															
228	3968436															
229	3938747															



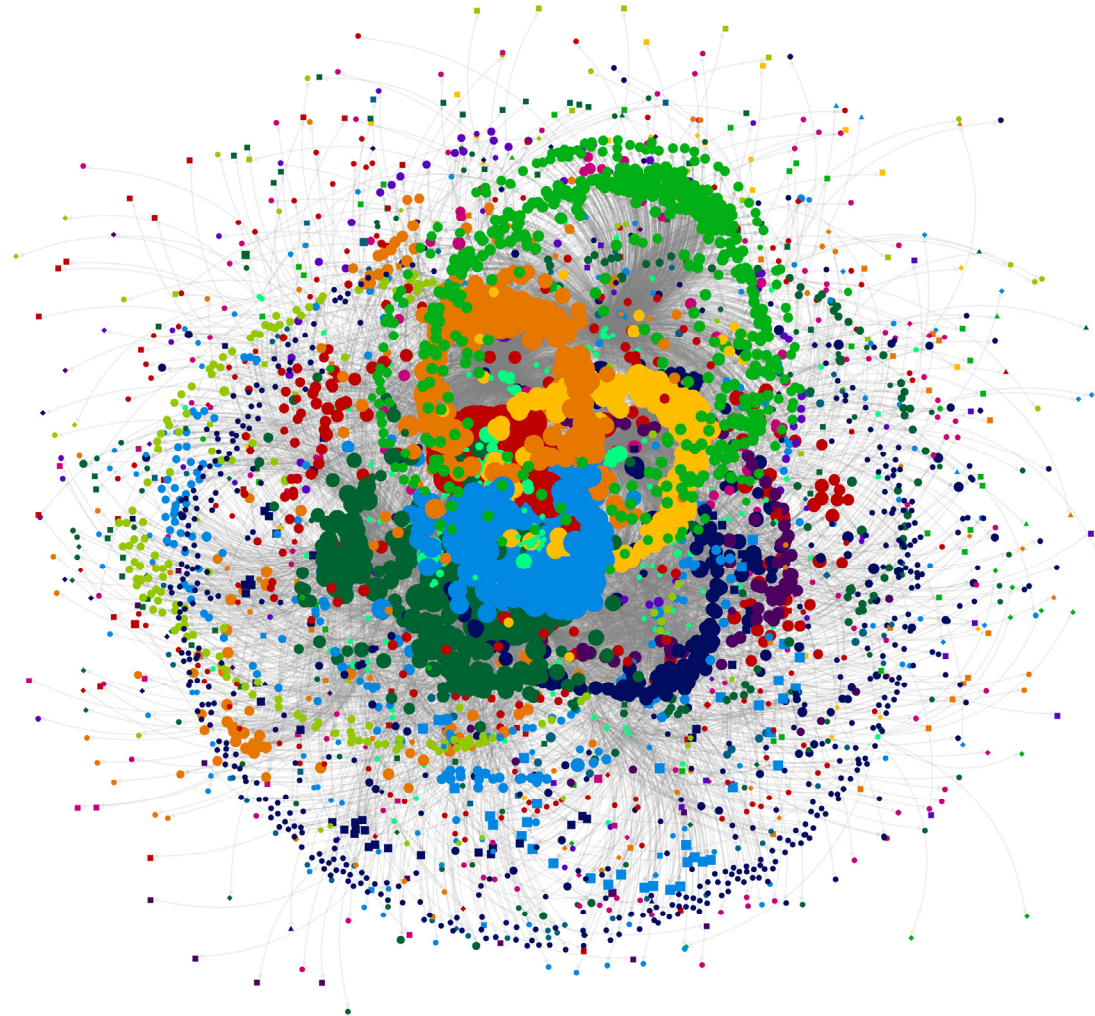
Integrates well with other datasets and commonly available software



Add in Data from Other Sources

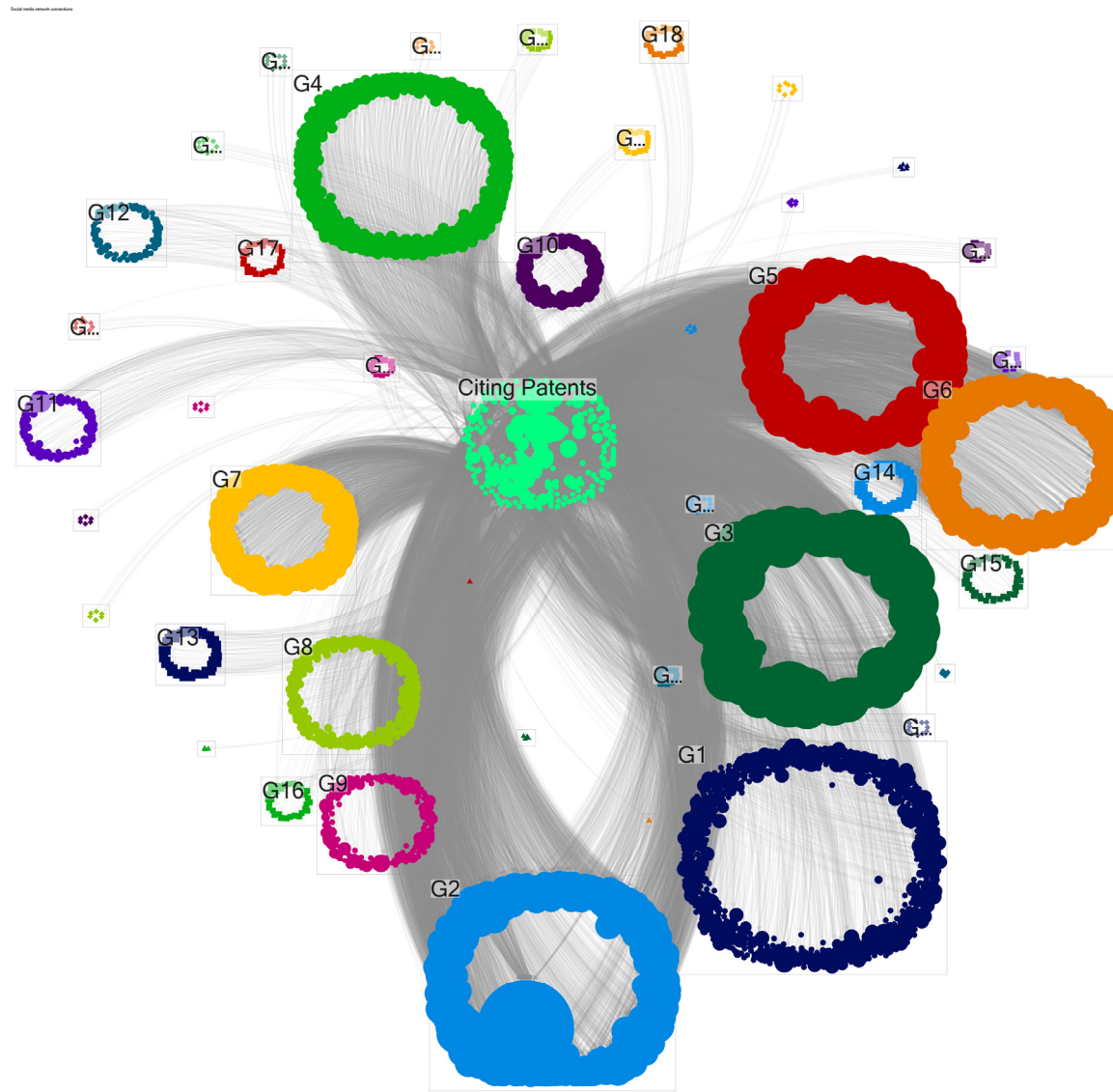
- US Patents
 - <http://patft.uspto.gov/netahtml/PTO/...>
- US Publications
 - <http://appft.uspto.gov/netahtml/PTO/...>
- OPS from Espacenet
 - <https://worldwide.espacenet.com/>
- Global Dossier
 - USPTO Portal or Espacenet Portal
- WIPO
 - <https://patentscope.wipo.int/search/en/search.jsf>
- CCD
 - <http://ccd.fiveipoffices.org/CCD-2.0.4/>

Permits Clustering Analyses



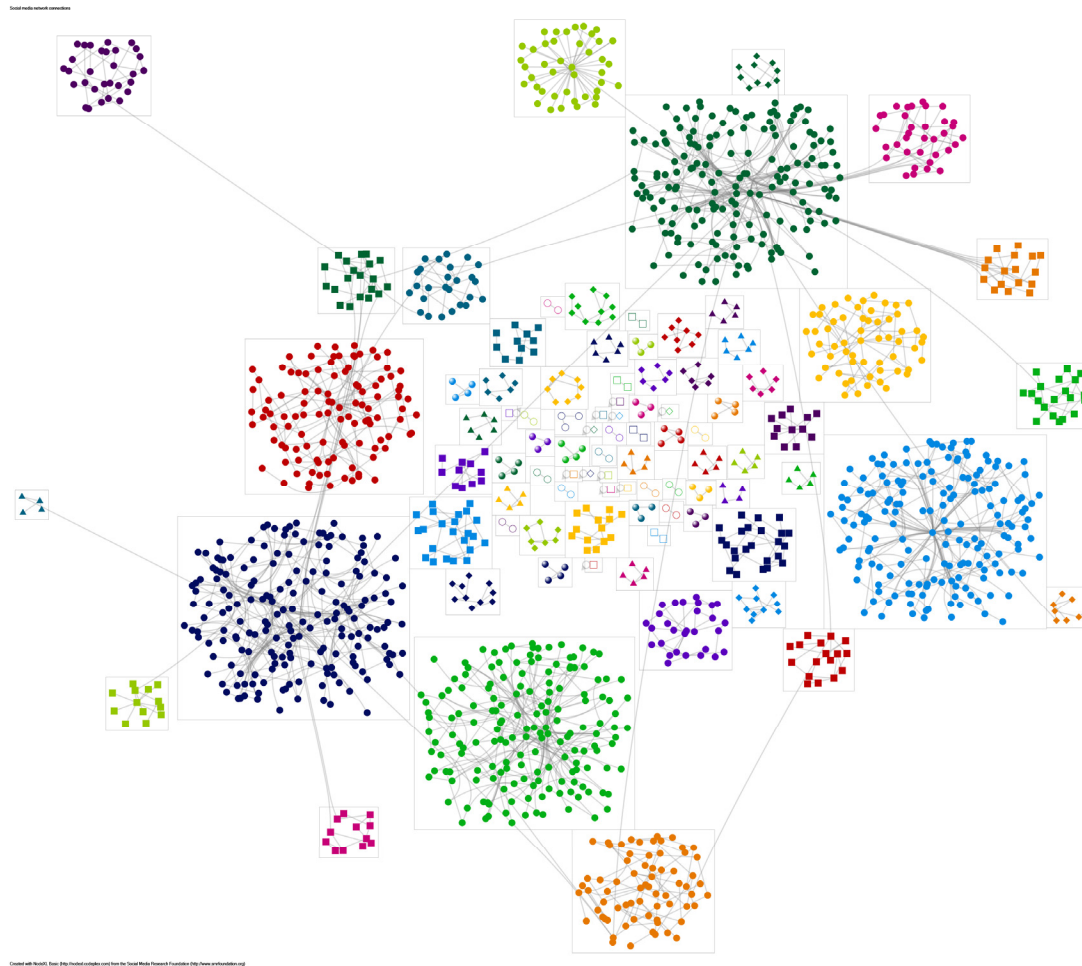




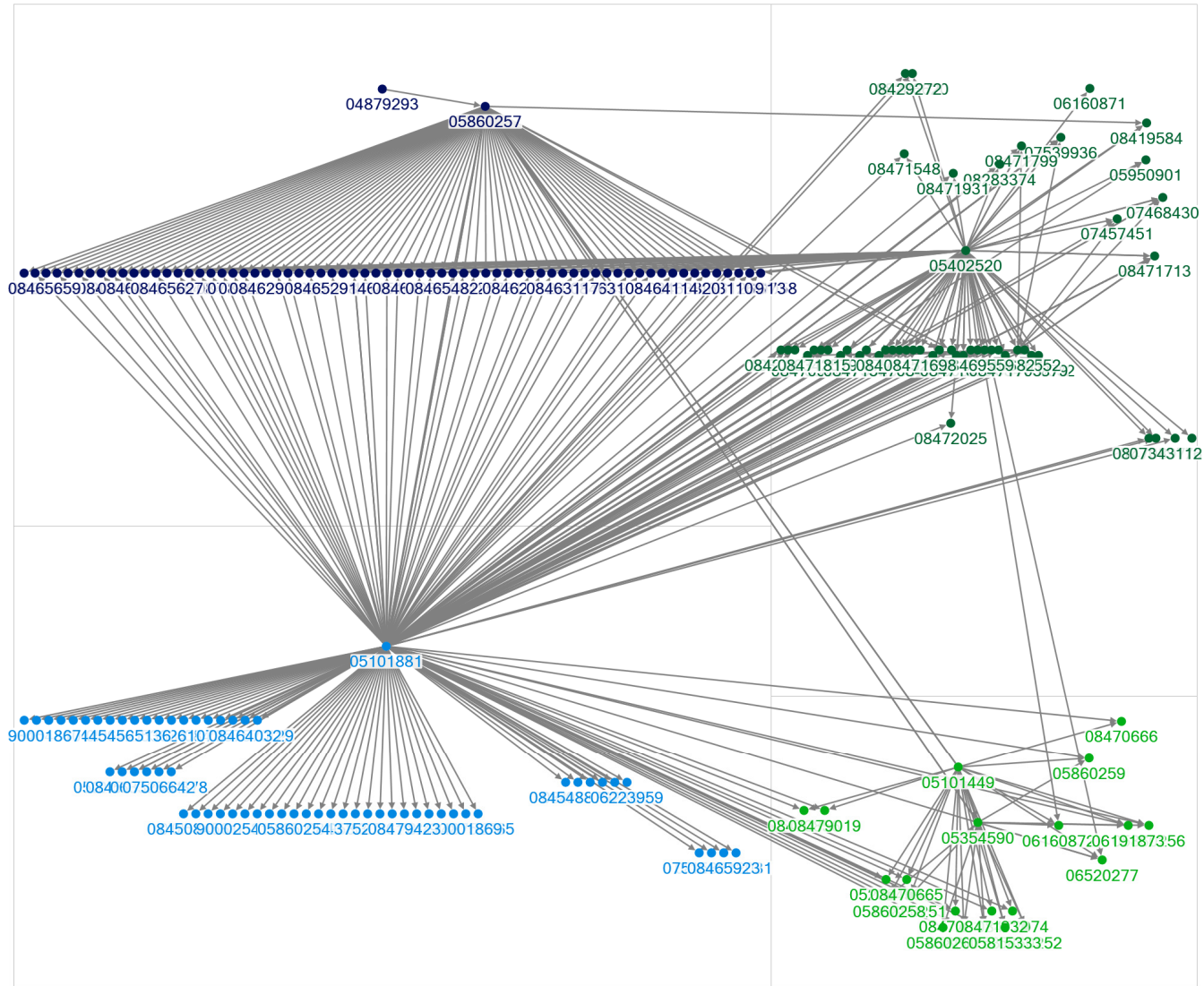


Created with NodeXL, Excel (http://nodexl.com) from the Social Media Research Foundation (http://www.smfoundation.org)

No More All-or-Nothing Patent Families

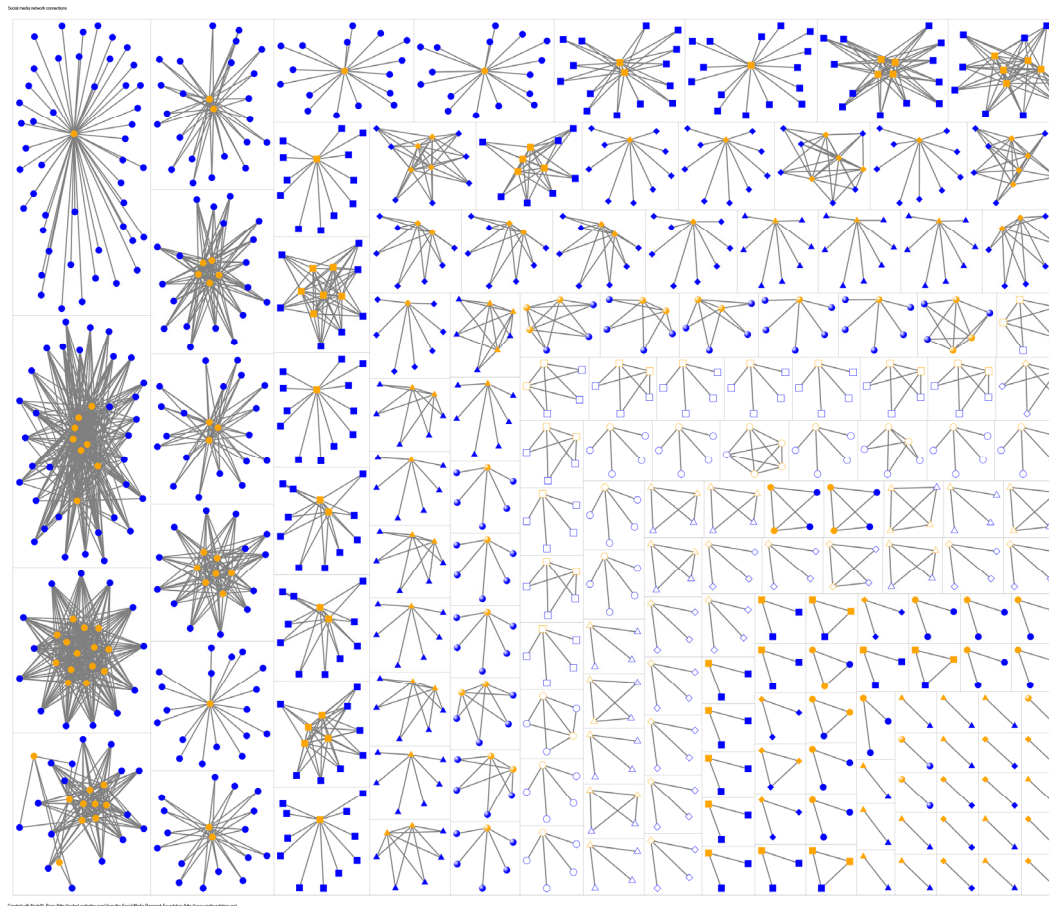


Social media network connections



Created with NodeXL Basic (<http://nodexl.codeplex.com/>) from the Social Media Research Foundation (<http://www.smrffoundation.org/>)

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

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