Patent Quality Chat
Unlocking Open Data for our Patent Customers

January 9, 2018
To send in questions or comments during the webinar, please email:

PatentQuality@uspto.gov
http://www.uspto.gov/patentquality

Patent Quality

Providing high-quality, efficient examination of patent applications is paramount to our mission at USPTO. To ensure we continue to issue high-quality patents that will fuel innovation well into the future, the Office of the Deputy Commissioner for Patent Quality, along with our partners across the Patents organization, promotes and supports the continuous improvement of patent products, processes and services through collaboration with internal and external stakeholders of the intellectual property community.

Highlights

Patent Quality Chat
Tune into our January Patent Quality Chat on "Unlocking Open Data for our Patent Customers".

Quality Metrics
See our new metrics approach, categorizing into product, process and perception indicators.

Stakeholder Training on Examination Practice and Procedure (STEPP)
Sign up for an upcoming training developed for those interested in a better understanding of the examination process at the USPTO.

Areas of Focus
Collaboration with our stakeholders has directed our focus within three areas, where we can best improve patent quality.

Email questions to PatentQuality@uspto.gov
Patent Quality Chat
Unlocking Open Data for our Patent Customers

Thomas Beach
Chief Data Strategist
Scott Beliveau
Branch Chief of Enterprise Advanced Analytics

Email questions to PatentQuality@uspto.gov
USPTO Data Program Overview

• Open data
  – Publicly available, freely discoverable data that anyone can use, reuse or redistribute easily.

• Big Data
  – A collection of large volumes of data that can be mined for trends, patterns and analysis.

Email questions to PatentQuality@uspto.gov
Why does open data matter?

• Transparency is empowering
• Leads to more informed applicants - more time being inventive less time searching for our data

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Why does big data matter?

It’s not the amount of data that’s important. **It’s what organizations do with the data that matters – data driven decision making.**

- Detect anomalies (inconsistencies)
- Identify and prevent problems early
- Measure training impact
- Validate assumptions

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How are we using the data?

Big Data Open Analytics Adds Value. More usage leads to continual improvement of the tools that leads to greater insights.

Email questions to PatentQuality@uspto.gov
Internal Office Action Dashboard

* Sample data only

Email questions to PatentQuality@uspto.gov
Email questions to PatentQuality@uspto.gov

* Sample data only
Internal View of Agency Trends

* Sample data only

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The number of Patent/PG-Pub references used in 103 rejections is relatively consistent across TCs.

The number of Patent/PG-Pub references cited by examiners varies (on a PTO-892 form) based on Technology Center (1600, 1700, etc.) and whether used in a final rejection (CTFR) or a non-final rejection (CTNF).

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https://developer.uspto.gov/
Application Programming Interfaces (APIs)

What is an API?
An API is an Application Programming Interface. It is a set of routines, protocols, and tools for building software and applications. A good API makes it easier to develop a program by providing all the building blocks, which are then put together by the programmer.

For each of the APIs links are provided to the associated syntax or Swagger documentation. Swagger is used to define a standard, language-agnostic interface to REST APIs which allows both humans and computers to discover and understand the capabilities of the service without access to source code, documentation, or through network traffic inspection. Other documentation and a client interface that demonstrates the associated API is also provided.

USPTO Office Action Citations API (beta)
Version: v1
The United States Patent and Trademark Office (USPTO) Office Action Research Dataset for Patents contains...

USPTO Office Action Rejection API (beta)
Version: v1
The United States Patent and Trademark Office (USPTO) Office Action Research Dataset for Patents contains detailed...

Bulk search and download
Version: 1.0.0
Bulk data search and download API exposes an API to search published patent grants and applications across various...

Email questions to PatentQuality@uspto.gov
Public is using it too!


https://groups.google.com/forum/#!topic/patents-public-data/3McHv1Ukpkk
Where to get the data?

https://developer.uspto.gov/

https://ssrn.com/abstract=3024621

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Traits of Patent Data

Complexity of Patent Prosecution

• Not all patents have the same prosecution history; they are not statistically unitary due to their unique traits (specifications, claims).

Changing Landscape

• Court Decisions, Potential Legislation, Patent Trial & Appeal Board, Examination Guidance/Procedures & Policy Changes

Authoritative Data

• Ensuring the highest level of data quality

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USPTO Data - Summary

• Making patent and trademark data accessible

• Empowering innovation through better tools and information so *the public can make smarter decisions.*

• Promoting the progress of science and useful arts by modernizing ways to explore patent and trademark data.

• Inspiring collaboration and innovation across the government and private sector to grow the economy.
Let’s Chat about Unlocking Open Data for our Patent Customers

Thomas Beach
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Scott Beliveau
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Email questions to PatentQuality@uspto.gov
Next Patent Quality Chat

eMod Update

February 13, 2018

Email questions to PatentQuality@uspto.gov
### Other Patent Quality-Related Events

[https://www.uspto.gov/about-us/events](https://www.uspto.gov/about-us/events)

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 17</td>
<td><strong>Technology Center 2600 Customer Partnership Meeting</strong> <em>(in-person in Alexandria and simulcast in other offices)</em></td>
</tr>
<tr>
<td>January 18</td>
<td><strong>Inventor Info Chat</strong> “Overview of the Patent Process” <em>(virtual)</em></td>
</tr>
<tr>
<td>February 13</td>
<td><strong>STEPP Virtual Instructor-Led Training</strong> “Claim Interpretation – Preambles”</td>
</tr>
</tbody>
</table>


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Thank you for joining us today!

Patent Quality Chat
Webinar Series 2018
January 9, 2018

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