



API Catalog for Intellectual Property

Cooperative technical projects between IP Offices

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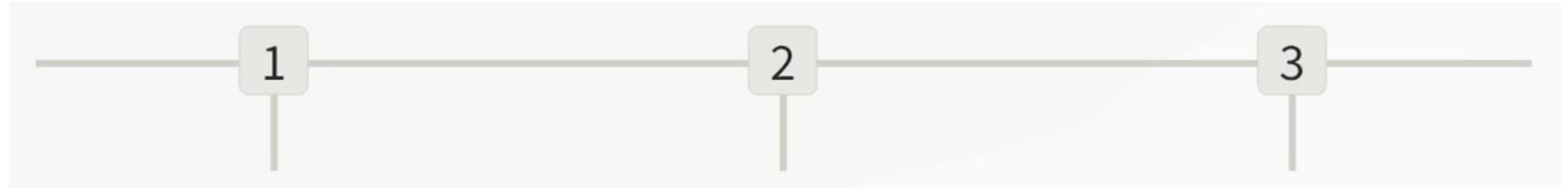
Background

- The 8th session of the Committee on WIPO Standards (CWS) in Dec. 2020
 - Agreed on Task No. 56 which refers to the development of a unified API catalog
 - *The API Task Force proposes to implement a unified catalog, which provides a list of those APIs which Offices expose externally.*
- API Task Force Meetings since 2022
 - *The Participants noted some potential opportunities and benefits of producing the unified API catalog.*
 - *They also noted that the API Task Force would start the project in 2023.*

Project Brief

- Objective: To build a catalog which will index APIs provided by IP institutions
- Scope: cover APIs of IP offices or their subsidiary bodies as a first step
 - Currently incorporating 177 APIs from 9 IP Offices and Organizations.
 - EPO, EUIPO, IP Australia, JPO, KIPO, QAZ Patent, UPRP, USPTO, WIPO
- Nov. 2023 ~ Jul. 2024: API Catalog for IP Development Project
 - Research and analysis of API Documents of IPOs
 - Guideline for IP offices to update their APIs and related documents
 - Design and Development of the API Catalog portal

Main features of the API Catalog




Search Function

- Categorization
- Labelling
- Keyword

Search Result Display

- API Name
- Summary
- URL to link

Direct Link to each API page

 Australian Design Search API

The Australian Design Search API allows you to search for Australian De

[Download Spec as RAML](#) [Export Spec as OAS](#)









Environment	Instance	URL
UAT	Test	https://test.api.ipaustralia.gov.au/public/aus
PROD	Production	https://production.api.ipaustralia.gov.au/pul

Screenshot: Search Function (Application)

API Catalog for Intellectual Property

This catalog offers a list of APIs provided by IP institutions for their products and services regarding patents, trademarks, industrial designs, copyright, geographical indications, and plant variety protection.

This catalog is developed and maintained by the World Intellectual Property Organization (WIPO) in collaboration with IP institutions around the world.

Screenshot: Search Function (Search Result)

Results (19)

[Bulk Data Storage System](#)



Bulk Data Storage System (BDSS) allows the public to discover, search, and download patent and trademark data in bulk form.

United States Patent and Trademark Office

Payment related data, Classification, Office action data, Full-Text, Court decision data, Bibliographic data, Trademark, Patent, Dissemination, Search, REST, JSON, United States Patent and Trademark Office, GET, English

[Bulk search and download](#)



Bulk data search and download API exposes an API to search published patent grants and applications across various fields, and to request a custom zip package for the given patent or application ids. Download up to 100 application numbers at a time. Wait time can vary based on the number of requests being processed.

United States Patent and Trademark Office

Full-Text, Patent, Dissemination, Search, REST, JSON, United States Patent and Trademark Office, English, GET, POST

[IP Marketplace Platform API](#)



The IP Marketplace Platform provides a voluntary listing of patents and patent application publications indicated as "available for licensing" on external public websites or in the USPTO Official Gazette Notices. It also offers a link to sources that include the licensing information.

United States Patent and Trademark Office

Bibliographic data, Licencing Data, Patent, Search, REST, JSON, United States Patent and Trademark Office, English, GET, POST

[OCE - Patent Examination Status](#)



[OCE - Patent Litigation Cases](#)

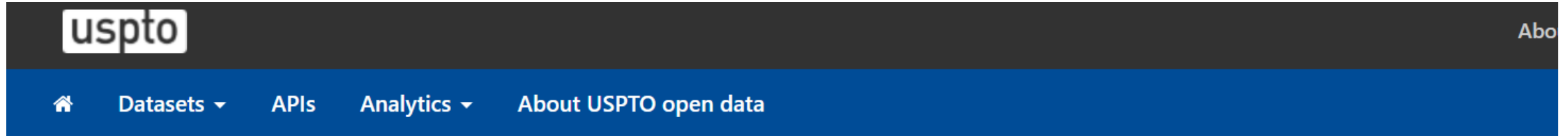


[Patent Assignment Search](#)



PROPERTY

Screenshot: Search Function (Respective API page)



IP Marketplace Platform API

v1 | Patents

The IP Marketplace Platform called “Patents 4 Partnerships” is an initiative of the United States Patent and Trademark Office (USPTO) that brings together those who have technologies and want to make them available for licensing and those who have an interest in and the ability to commercialize the technologies

The IP Marketplace Platform provides a voluntary listing of patents and patent application publications indicated as “available for licensing” on external public websites or in the USPTO Official Gazette Notices. It also offers a link to sources that include the licensing information.

This API provides a programmatic means to access the same content retrievable by the search interface.

Please review the [terms of use](#) governing content being returned by the API prior to using.

 API Syntax

 IP Marketplace

Last updated: Jun 03, 2022

Expected Benefits & Challenges

■ Benefits

- For IPOs: Promote APIs that they developed and provided. Facilitate sharing information and Learn from the best practices of other IP offices
- For Users: Provide a single point to discover available APIs for IP
- For WIPO & CWS: coordinate API services among Offices in a harmonious manner and promote WIPO Standards ST. 90, ST.96 and ST.97

■ Challenges

- Lack of common data fields in API Specification documents by IP Offices
- Regular & automated update of API information

Findings and Lessons Learned

■ Diverse practices across Offices

- Various ways of API service provision
- Respective format for API specification document

■ Benefits of Sharing practice

- Exchange of practices and knowledge can be advantageous for all IP offices
- Example: Managing different versions effectively

■ Harmonization Benefits

- Harmonizing practices across offices can enhance user experience and efficiency

API Catalog Statistics

Active users [🔗]

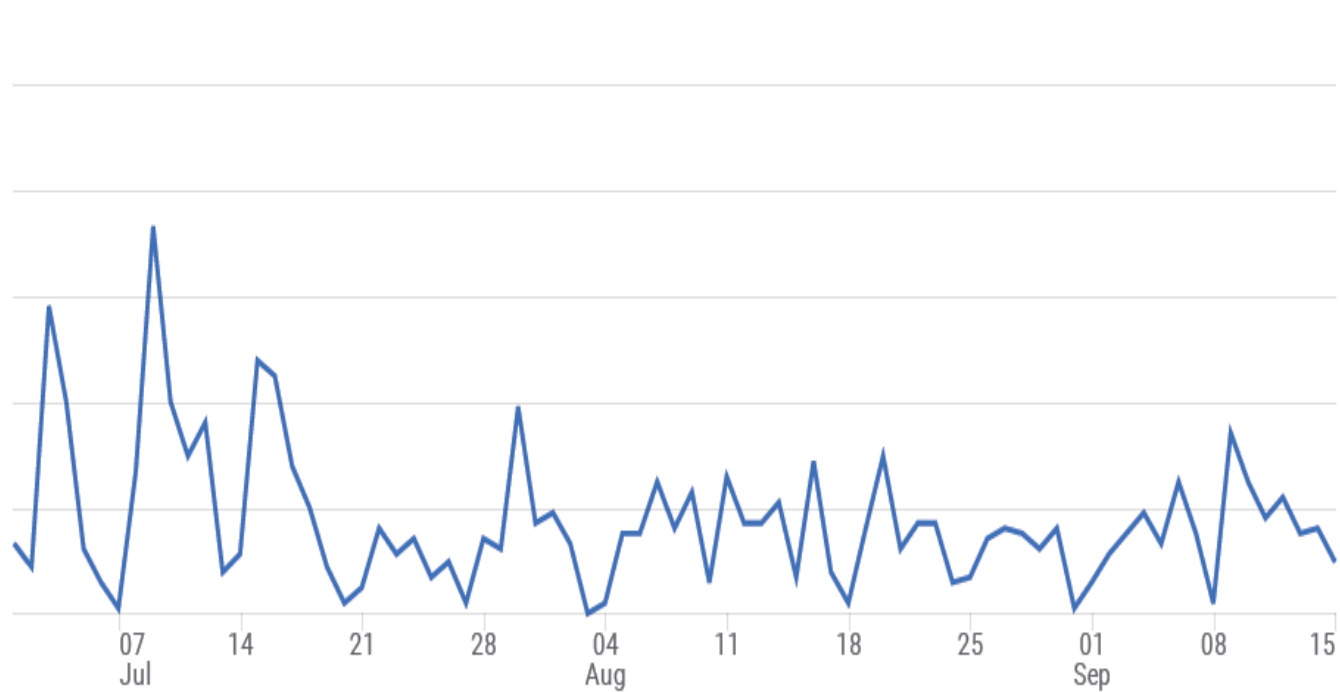
1.1K

New users [🔗]

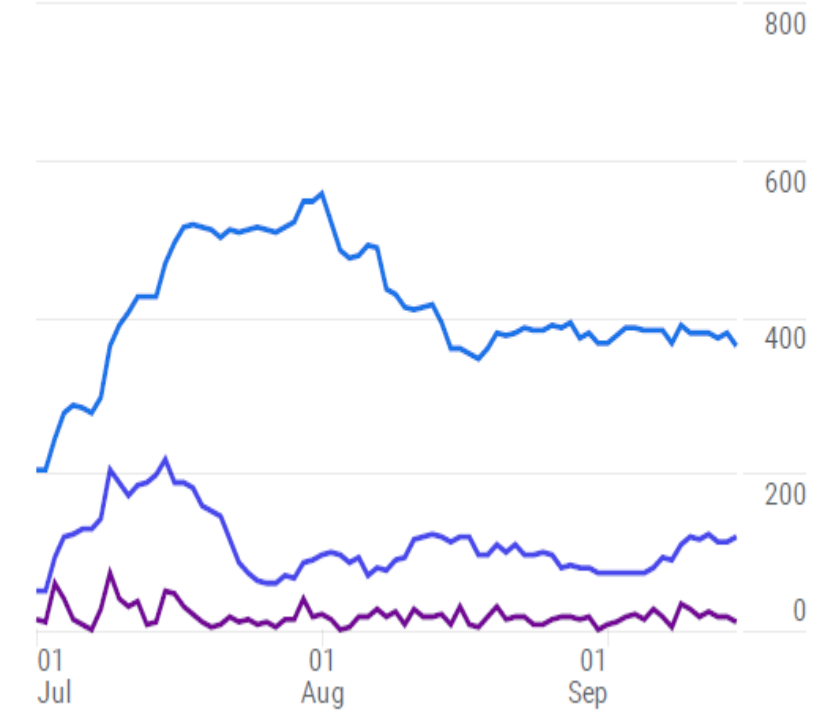
841

Average engagement time per active user [🔗]

3m 29s



User activity over time



Future Plan 1

■ Inviting IP offices to join the API Catalog

- CWS Circular C.CWS 185 (July 15, 2024)
- How to provide APIs through the API Catalog (API Catalog IP Institution Guide)
 1. Create an OAS file for your API
 2. Publish your OAS file
 3. Share your OAS file URL with the International Bureau
 4. Validate the new API entry when you receive it

Note: If you are not able to produce an OAS file, please fill in [this EXCEL Template](#) with the necessary details and [email it to us](#).

Future Plan 1

API Title	Description	Institution	IP Domain	API Service Type	Content Type
			<i>Multiple selections possible</i>		
Title	Description	Institution	IP Domain	API Service Type	Content Type
Title of API	Brief description of API	WIPO	Patent	Account management	Abstract
		EPO	Trademark	Application management	Bibliographic data
		EUIPO	Industrial Design	Communication	Citation data
		IP Australia	Copyright	Dissemination	Claims
		JPO	Geographical Indication	Payment	Classification
		KIPO	Plant Variety Protection	Portfolio management	Court decision data
		UPRP	Integrated Circuit Layout Design	Register	Description
		USPTO		Search	Family data
Version 1.2	Newly added in this version			Translation	Full-text
	Mandatory: Columns that must be filled out				Legal status data
	Additional: Columns that should be filled out if information is available				Office action data

Future Plan 2

- Upgrading API Catalog Portal (September 2024 ~ December 2024)
 - Incorporate more APIs from IP offices and other IP institutions
 - Add new filter values to improve categorization/labelling
 - Automate adding and updating APIs by using the standardized OAS file
 - Best accommodate current IP office's environments: customized solution
 - Unstatic URL, Versioning, Compression, Response language
 - Improve “Search” feature in addition to filter search
 - Enhancing the scope of indexing: API documentation, API product webpages



Thank you