



# Unified API Catalog Development

*WIPO API Day 2023*  
*Geneva, June 13, 2023*

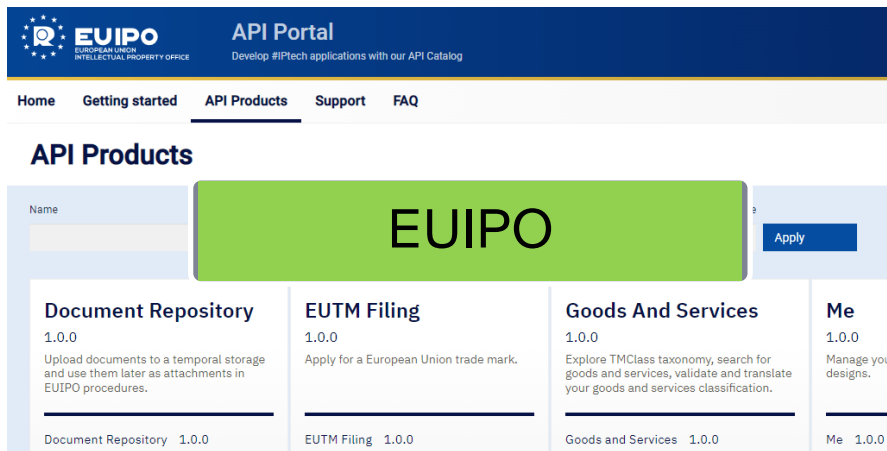
**Yongwoong KIM**  
Senior Program Officer, Infrastructure and Platforms Sector

# Background

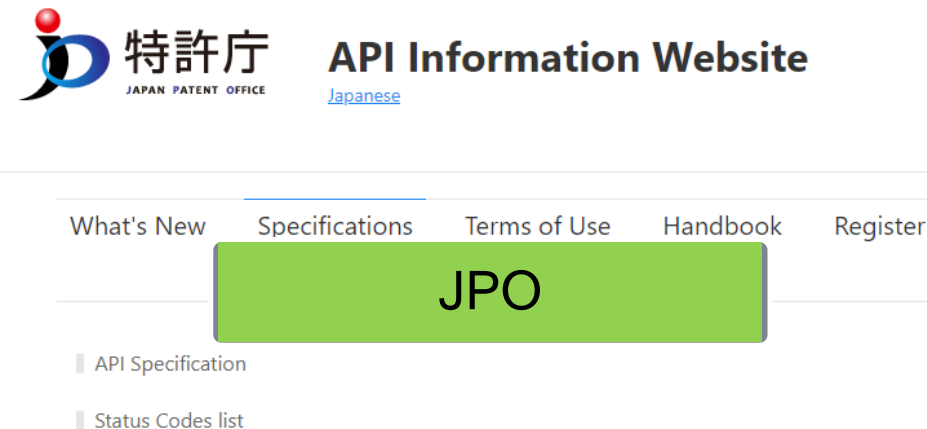
- The 8th session of the Committee on WIPO Standards (CWS) in Dec. 2020
  - Agreed on Task No. 56 which refers to the development of a unified API catalog
  - *The API Task Force proposes to implement a unified catalog, which provides a list of those APIs which Offices expose externally.*
- API Task Force Meetings in Nov. 2022, Jan. & Apr. 2023
  - *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.*

# Current API Services of IP Offices

■ Numerous IP Offices are currently providing API services



The screenshot shows the EUIPO API Portal. At the top, there is a navigation bar with 'Home', 'Getting started', 'API Products', 'Support', and 'FAQ'. Below this, the 'API Products' section is highlighted. A search bar contains the text 'EUIPO' and an 'Apply' button. Below the search bar, there are four product cards: 'Document Repository 1.0.0', 'EUTM Filing 1.0.0', 'Goods And Services 1.0.0', and 'Me 1.0.0'. Each card provides a brief description of the service.



The screenshot shows the JPO API Information Website. The header includes the JPO logo and the text '特許庁 JAPAN PATENT OFFICE' and 'API Information Website Japanese'. Below the header, there is a navigation bar with 'What's New', 'Specifications', 'Terms of Use', 'Handbook', and 'Register'. A search bar contains the text 'JPO'. Below the search bar, there are two links: 'API Specification' and 'Status Codes list'.



The screenshot shows the IP Australia API Developer Portal. At the top, there is a navigation bar with 'Home' and 'APIs'. Below this, the 'API Developer Portal' section is highlighted. A search bar contains the text 'IP Australia'. Below the search bar, there are two API cards: 'Australian Design Search API' and 'Australian Patent Search API'. Below the API cards, there is a section for 'KiTIRIS Plus Patent Information' with 'Data List' and 'Data Service' links. Below this, there is a large blue banner with the text 'New Paradigm of Utilizing Patent Information' and 'Find the best way to create a new, innovative service with our Bulk Data, and Open API.' A circular badge shows the number '116' and the text 'Bulk Data'. Below the banner, there is a search bar with 'Data Search' and 'Category'. Below the search bar, there is a search bar containing the text 'KIPO'. Below the search bar, there are six icons representing different IP services: 'Patent/Practical', 'Design', 'Trademark', 'Trial', 'KPA', and 'administration'.

# Current API Service: IP Australia

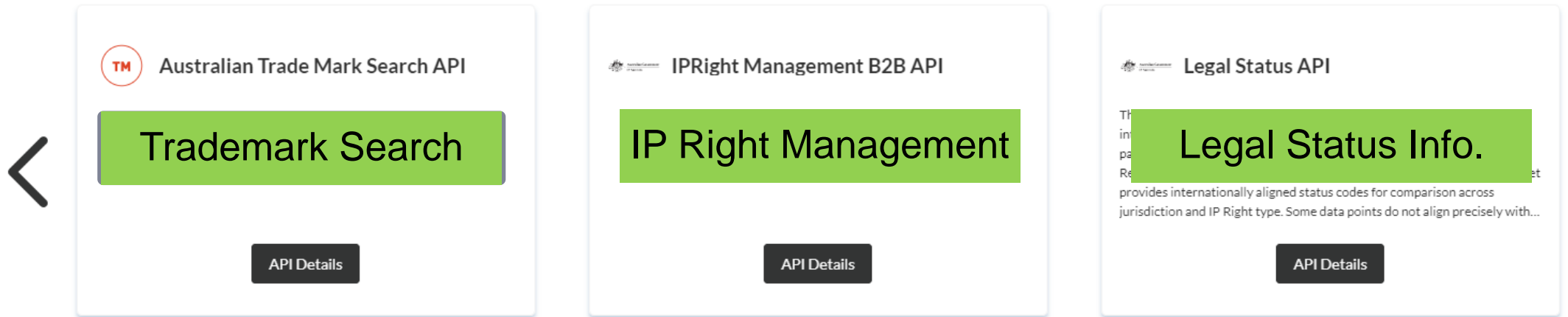


Australian Government  
IP Australia

## API Developer Portal

Helping you find and use IP Australia's APIs

Home APIs



<

- Australian Trade Mark Search API**  
Trademark Search  
API Details
- IPRight Management B2B API**  
IP Right Management  
API Details
- Legal Status API**  
Legal Status Info.  
API Details

# Project Brief

- Objective: To build a catalog which will index APIs provided by a range of IP institutions
- Target users: IP Information Users, IP Service(Data) Providers, IT Developers in IP fields, IP Policy makers
- Scope: List of APIs of IP offices or their subsidiary bodies as a first step
  - Pilot phase with 10-20 IP offices, then expanded to diverse IP institutions
- References: French Government, RapidAPI, etc.

# Ref. 1: French Government (api.gouv.fr)



FRENCH REPUBLIC

Liberté  
Égalité  
Fraternité

api.gouv.fr

[? A question ?](#)

Find a public service API

Understanding APIs

In regards to

## Looking for a public service API? You are in the right place !

Thematic

All themes



Access mode

All access



Search for a service, a ministry



147 results \_

**Administrative Breakdown API -  
(Geo API)**



Query geographic repositories more easily

**Private API**



Administrative entities, simplify the procedures for individuals by retrieving their administrative information for them (CAF family quotient, family composition,

**Enterprise API**



Administrative entities, simplify the procedures for companies and associations by retrieving their administrative information for them.

# Ref. 2: RapidAPI (rapidapi.com)

Welcome to the RapidAPI Hub

Discover and connect to thousands of APIs

## Categories

- [Sports](#)
- [Finance](#)
- [Data](#)
- [Entertainment](#)
- [Travel](#)
- [Location](#)
- [Science](#)
- [Food](#)
- [Transportation](#)
- [Music](#)
- [Business](#)

## Discover More APIs

Browse through our collections to learn about new use cases to implement in your app

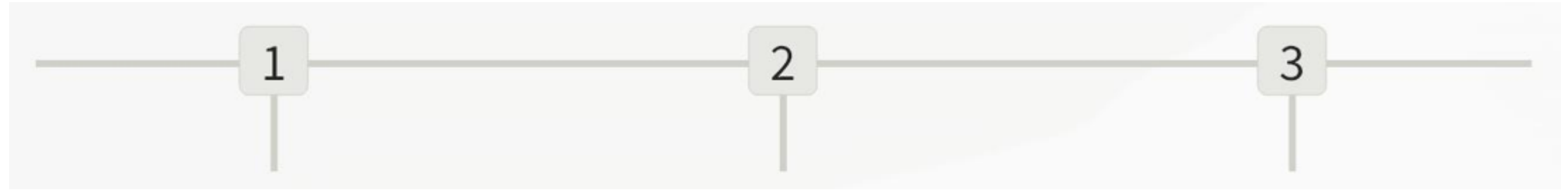


## Recommended APIs

APIs curated by RapidAPI and recommended based on functionality offered, performance, and support!

[View All](#)

# 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

### EUTM Filing

1.0.0

Apply for a European Union trade mark.

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EUTM Filing 1.0.0



# Mock-up Screenshot: Search Function

**WIPO**

English ▾



IP Portal Login

Understand & Learn ▾

Find & Explore ▾

Protect & Manage ▾

Partner & Collaborate ▾

About WIPO ▾

Home > Breadcrumb > Breadcrumb > Breadcrumb

## API Portal for IP

Welcome to the WIPO API catalog for IP. Here you will find multiple APIs that will help you to discover and work more efficiently with IP.

IP type

 ▾

Administration

 ▾


Value added information

 ▾

Show all filters ▾

# Mock-up Screenshot: Search Result Display


All APIs (1000) Sort by most popular ▾

**API Name** 

Lorem ipsum dolor sit amet, conseqro adipiscing elit. Sed diam sed eros volutpat convallis. Nam dictu a nibh in condimentu. Morbi a pretium risus. Sed diam sed eros volutpat convallis.

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Category  
Date of Enrolment

**API Name** 

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# Required Information from IP offices

## ■ Essential

- API Name(in English and/or respective language)
- Summary or Brief Description(in English and/or respective language)
- Categories / Labelling
- The API URLs to be linked

## ■ Optional

- Daily Access Limits, Update Cycle, Date of Enrolment, Contact Information, Tag information, API icon, etc.

# Categorization/Labelling

- IP types: patent, trademark, industrial designs, copyright and related rights
- Document type: image, pdf, xml, json // Full-text, Bibliographic, Abstract
- Country & Language: English, French, Spanish // Human/Machine Translation
- Type of Service: Data dissemination, Search, Legal Status, filing, IP rights management, etc
- Type of Permission: Public or Private // Paid or Free

# Expected Benefits & Challenges

## ■ Benefits

- For IPOs: Promote APIs that they have developed and provided
- For Users: Provide a single point of discovery for available IP Office APIs and the list is continually updated
- For CWS (API TF): Monitor how WIPO Standards ST. 90, 96 and 97 are implemented

## ■ Challenges

- Define the list of common labels which should be implemented by Offices
- Update the existing APIs, e.g., adding labels

# Timelines (Tentative)

- Jun. 2023: API TF agree on User Requirements
  - The IB and the TF co-leaders to study the best way for IPOs to implement
  - Develop recommendations for implementation of the requirements by IPOs
  - API Task Force Meeting in Jul. 2023
- Aug. 2023: Launch and Manage the Catalogue Development Project
- Dec. 2023: Report the result to the CWS/11

# Conclusion

- Thank you for your attention!
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