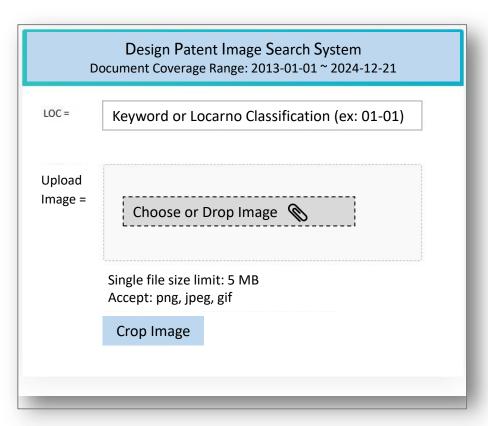


CHINESE TAIPEI Mar. 01-02, 2025



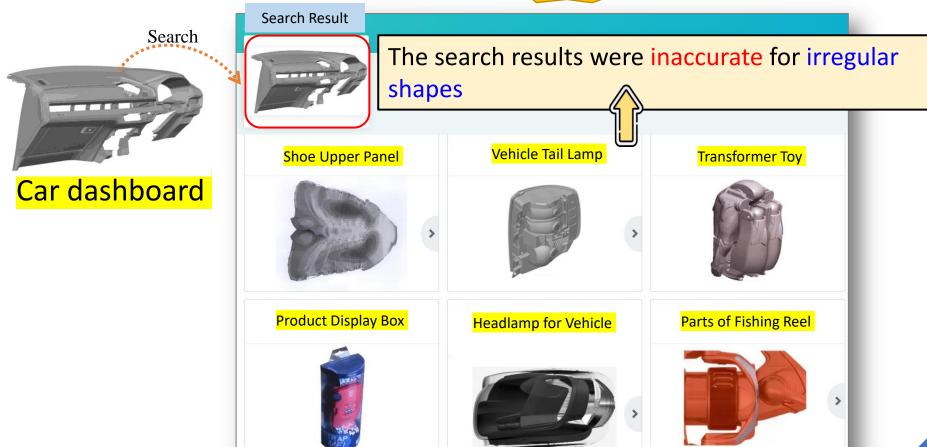


In 2019, TIPO released the Design
Patent Image Search system

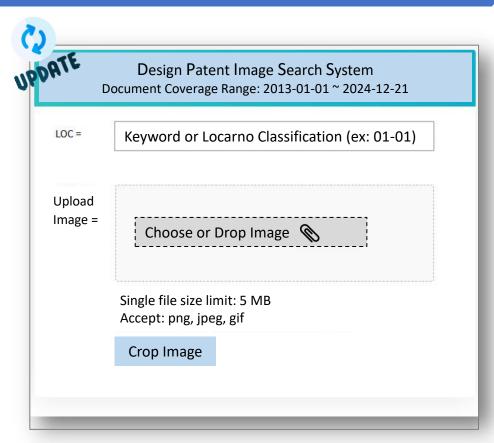


- The system used image-matching technology
- Focused on "Search by Image"
- Data included TIPO's design patent from 2013~2024







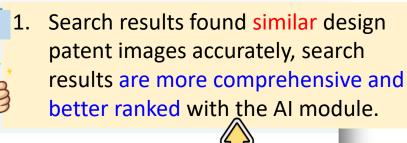


- In 2024, TIPO used a new AI model to enhance the search system:
 - ✓ Focused on target image and reduce noise
 - Enhanced identification of claimed / non-claimed area
 - ✓ Improved recognition of rotated or mirror images
 - ✓ New AI model provides high accuracy search results











2. Automatically identify and suggest the Loc. (The Locarno Classification) contained in the design images



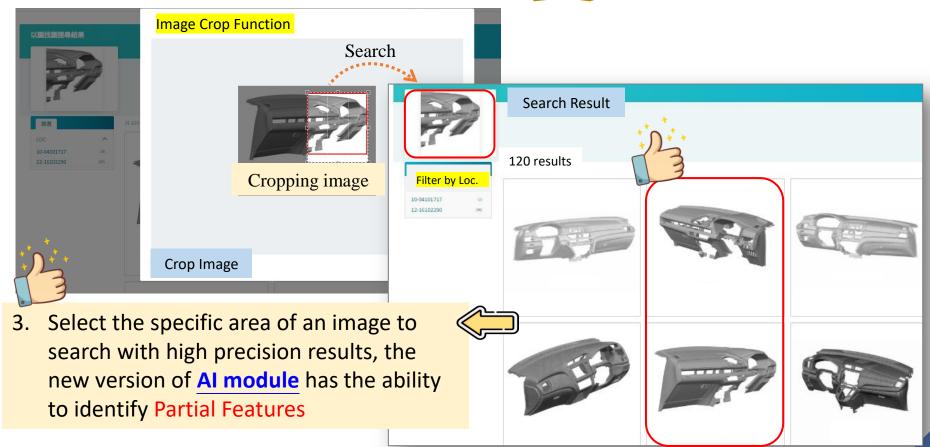
Search Result

5,000 results





2024 New version



2024 Jew version



Search



AI module

Identify Rotated & Mirrored image

Car dashboard





5,000 results

Search Result







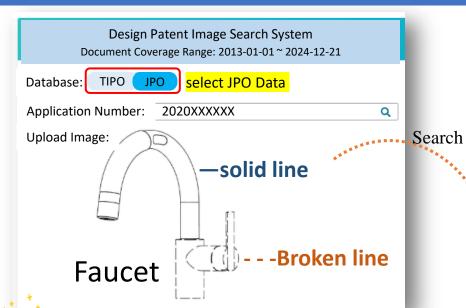
4. After rotating the image, the new version of Al module has the ability to identify rotated image, obtain the same search results as the unadjusted image







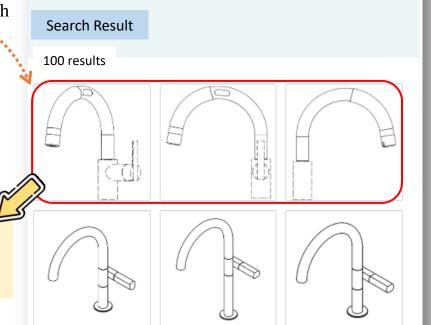
2024 New version



5. Integrated JPO design patent data for Al model testing, with current performance showing promising results.

AI module

Identify Solid and Broken line



Significant Improvements in the New Version

- Reduce the workload of applicants and examiners
- Improve the quality of patent search results
- Prevent redundant R&D efforts within the industry
- Foster industrial innovation and strengthened intellectual property protection

Future Goals

- Improve search performance and accuracy in line with technological advancements
- Gradually integrate more design patent images from various data sources
- Continuously optimize the user interface



The system is expected to be publicly available by mid-2025



Thank you!

