AI status and plans at KIPO

IP5 WG2 Virtual Meeting | February-March 2021

Korean Intellectual Property Office

AI Status and Plan at KIPO (Overall)

❖ Status

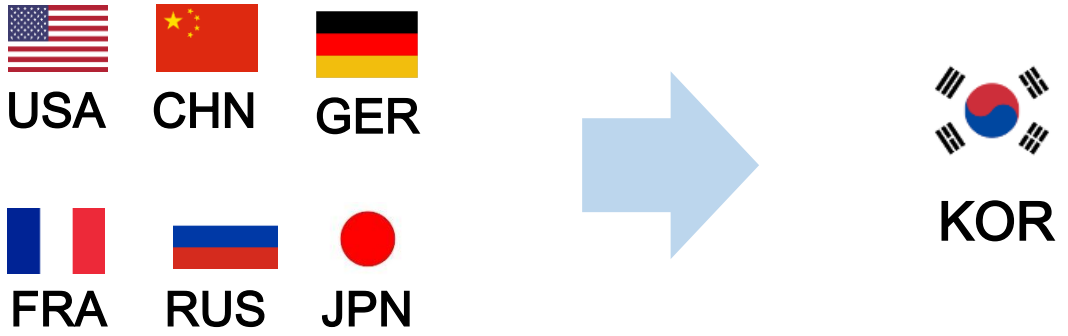
- ✓ Machine Translation : Initiated from 2020
- ✓ Chat-bot (for counselor) : Developing from 2020
- ✓ Image Search : POC from 2019, Developing from 2020

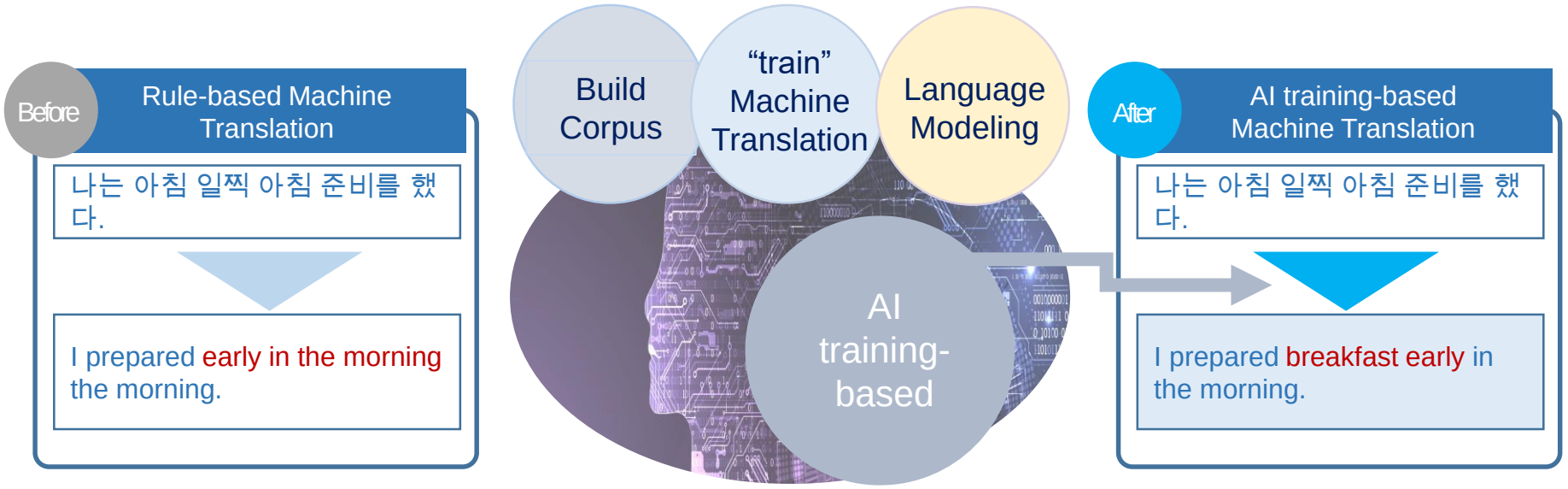
❖ Plan

- ✓ Classification (Patent/Trademark) : POC from 2019, Developing in 2021
- ✓ Similar Patent Search : POC from 2021
- ✓ Formality Check Support : Pilot test in near future

AI Status at KIPO (Machine Translation)

❖ **AI-based high-quality machine translation provide access to foreign language literature and enhances examination efficiency**





AI Status at KIPO (Chat-bot)

❖ **Rapid, accurate responses lead to enhanced customer satisfaction in IP administration**

Customer

Generally, what are cases that fall out of co-inventor definition?

Query

Response

Counselor

Response

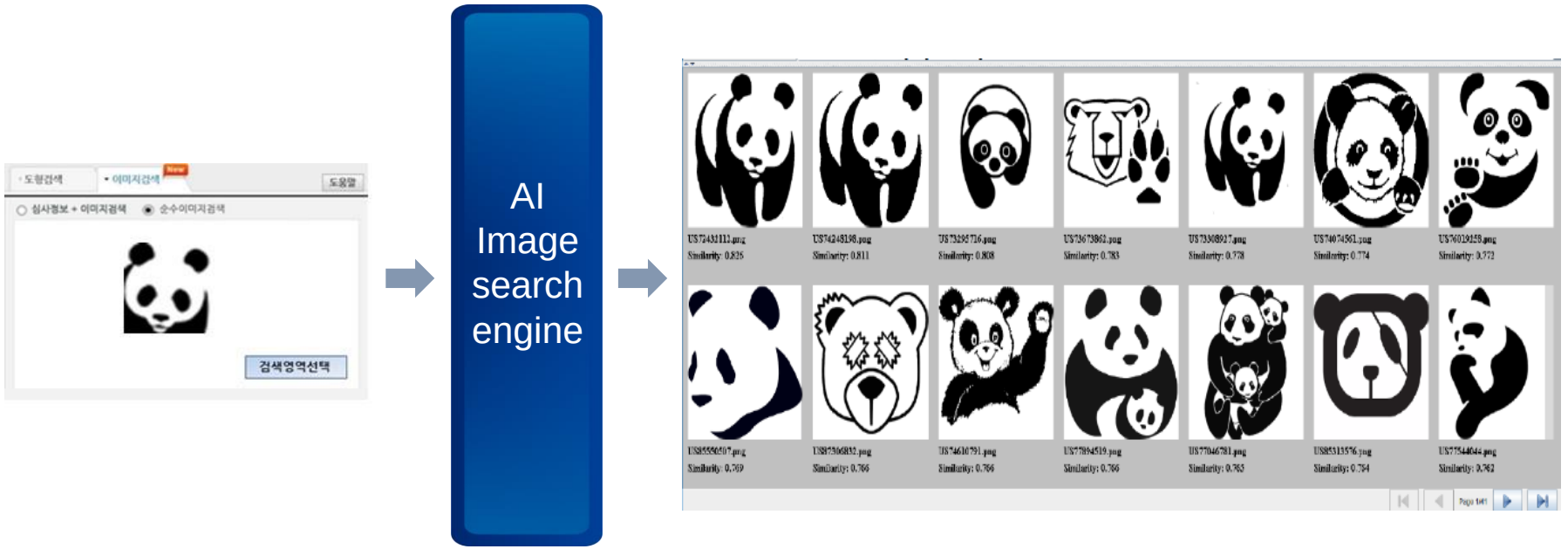
Query

Chatbot

Co-invent means not just cooperation between two or more persons but substantial cooperation. The decision shall be made in the process of filing, trial, litigation but generally, Provider of a simple idea, an assistant or sponsor cannot be co-inventor.

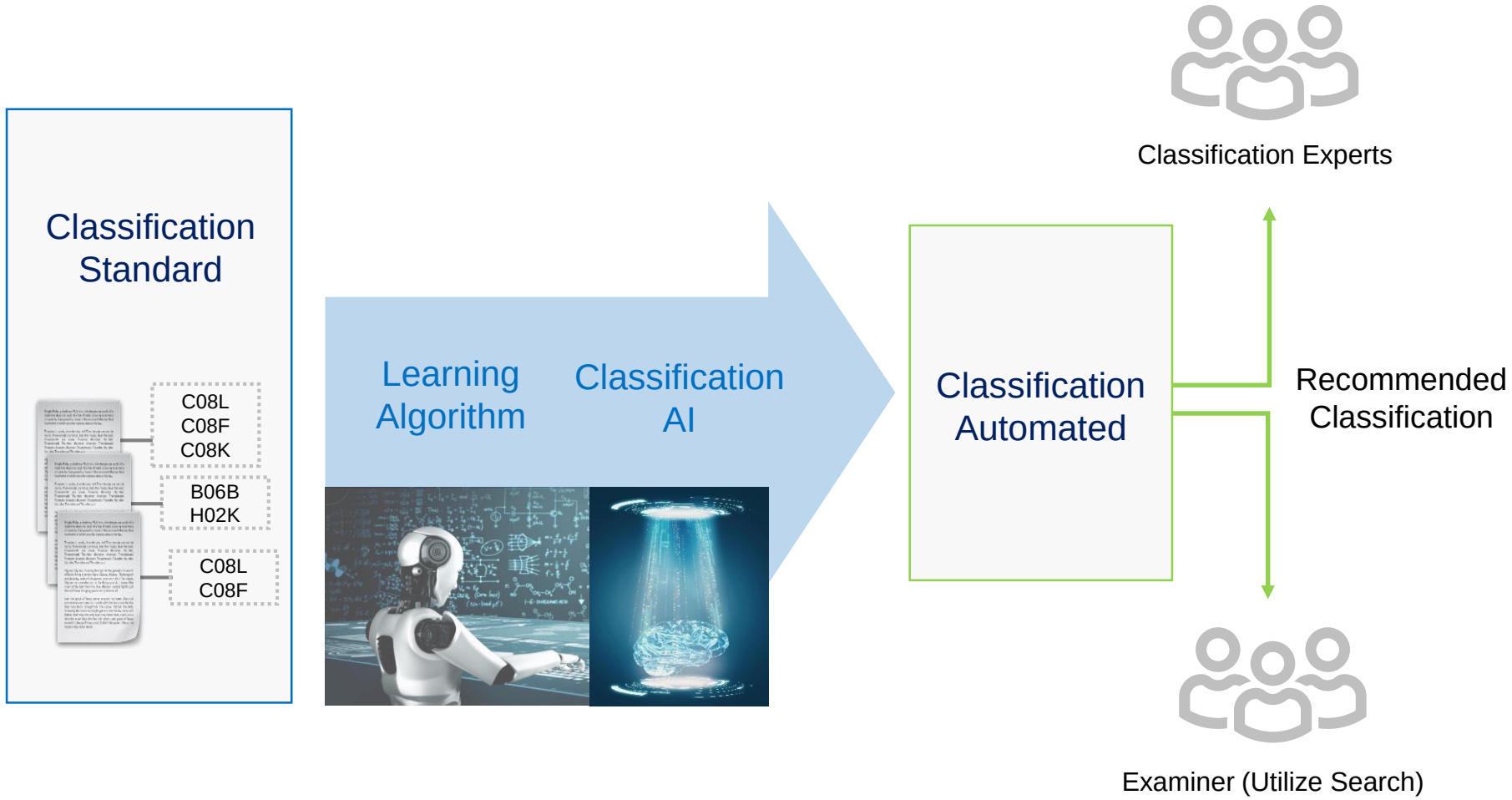
AI Status at KIPO (Image Search)

- ❖ **KIPO is developing AI-based image search system from 2020**
- ❖ **The system will provides a function displaying similar images with the ones in references**



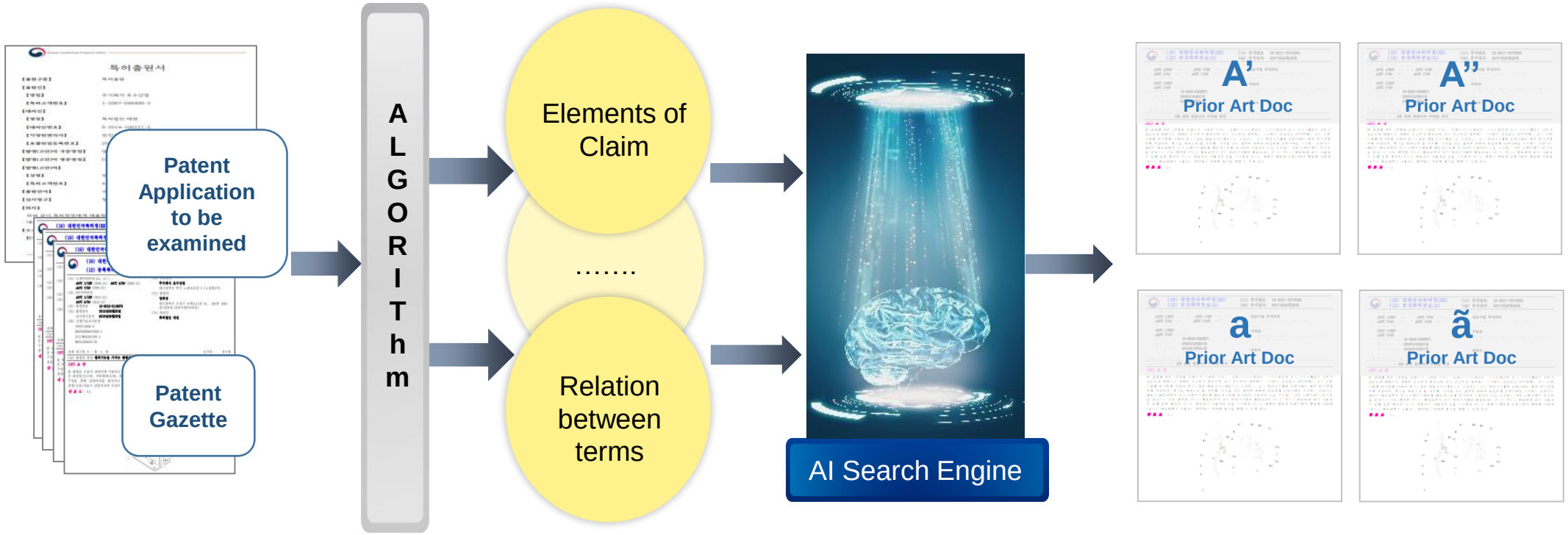
AI Plan at KIPO (Classification for Patent/Trademark)

❖ **Through providing support to classification experts and examiners, classification time will be shortened and quality enhanced**



AI Plan at KIPO (Patent Search)

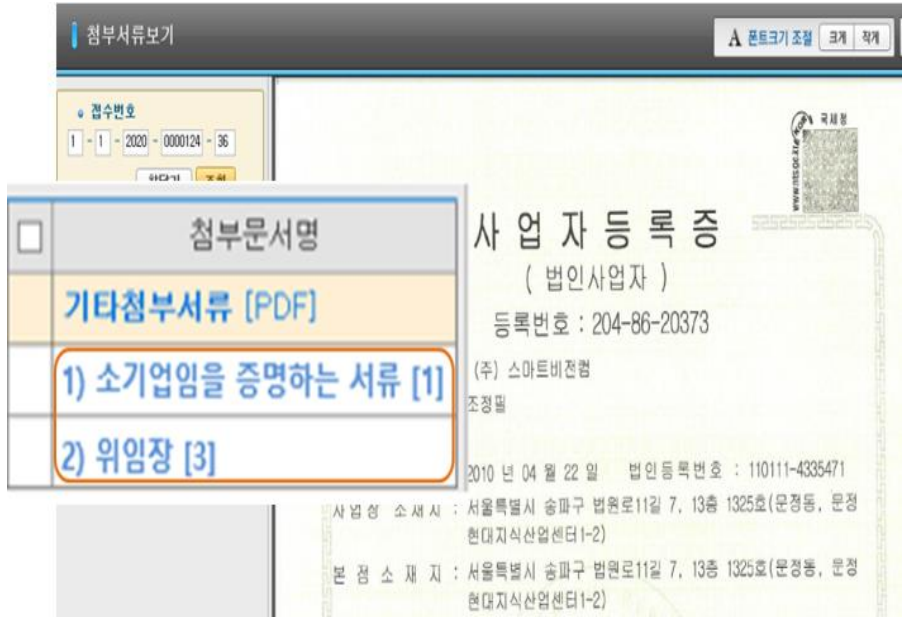
- ❖ KIPO plans to conduct POC for AI-based patent search system
- ❖ The system will provide a function displaying similar patents with the ones in references



AI Plan at KIPO (Formality Check Support)

- ❖ As documents enclosed in the application are image file(e.g. PDF), they cannot be identified before being opened.
- ❖ If the AI-based system can recognize the title in those documents and classify them by title, formality examiners in KIPO may work more efficiently

(Before) only “enclosed document”



(After) classified by title such as POA

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Thank you!