JPO’s Activities

Joint Colloquium on Artificial Intelligence
A Focus on AI in Patent Procurement

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Yoshiaki Kodachi
JETRO Düsseldorf
1-1. Clear and Updated
Examination Guidelines / Handbook

Added 23 case examples on IoT/AI-related inventions (Sep. 2016 and Mar. 2017)

Clarified how the patentability of inventions on computer software inventions is examined (Apr. 2018)

Solicited public comments on AI-related inventions (Oct.-Nov. 2018)

New!
Added more case examples of examinations for AI-related inventions (Jan. 2019)
1-2. Addition of More Case Examples of Examinations for AI-related Inventions

- 10 case examples of examinations on AI-related technologies in terms of **description requirements** and **inventive step**
  - From various fields of technologies and industries
  - Simple and easy to understand even for non-AI experts
  - Both patentable and unpatentable cases to help a clear understanding of the key points in determining patentability

**Case Examples pertinent to AI-related technologies**

URL: https://www.jpo.go.jp/e/system/laws/rule/guideline/patent/ai_jirei_e.html
2-1. Purpose for making use of AI technology

**Change of JPO’s work**
- Advancement of technologies
- Expanding search target
- Increase in trademark applications
- Retirement of experienced officials

**Progress of AI technology**
- Machine Learning
- Natural Language Processing
- Deep Learning

Making use of AI technology

**Goal!**
**Sophisticated** and **efficient** operations

⇒ Improve user services
2-2. Action plan

✓ JPO has made activities for making use of AI technology based on Action plan since 2017.
✓ Action plan was revised in 2018 based on the result of activities in 2017.

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| 4. Patent image searches new (Patents drawings) | PoC | | | | | | Determine whether to introduce the system.
| 5. Design image searches (Planer designs) | Reconsider solution | PoC | | | | |
| 6. Trademark image searches | PoC | Preparation | Stepwise introduction | | | |
| 7. Classifications of goods or services | PoC | Preparation | Stepwise introduction | | | |

(*) The above actions are based on rough estimates and progress may vary depending on the development of demonstrations, advancement of the relevant technologies and other circumstances.
Proof of concept for 5 operations are conducted now.

*Continued for preparation*

- Response to inquiries (After call work support)
- Trademark image searches
- Classifications of goods or services (Trademarks)

*Launched*

- Patent image searches (patent drawings)
- Design image searches (planer designs)
Thank you.