Charting our Future with IP

How IPO can Tackle the Complexity of Emerging Technologies and Social Problems

> 6 September, 2022 HAMANO Koichi Japan Patent Office Commissioner



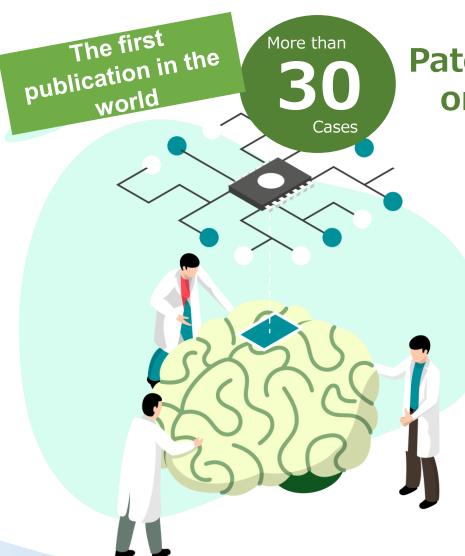
Theme: Charting our Future With IP

Key concepts:

- ✓ Improving predictability in the examination of emerging technologies
- ✓ Contribution to solving social issues through the utilization of IP

Improving predictability in the examination of emerging technologies

Examination Case Examples on Al/IoT-related technologies



Patent Examination Case Examples on AI and IoT-related inventions

Clear understanding of examination practices

> Patent eligibility, Inventive step, Description requirements · · ·



- > Patent Examination Case Examples pertinent to Al-related technologies https://www.jpo.go.jp/e/system/laws/rule/guideline/patent/ai jirei e.html
- **Examination Guidelines** pertinent to IoT-related technologies

https://www.jpo.go.jp/e/system/laws/rule/guideline/patent/iot_shinsa.html

Manga Patent Examination Guidelines – Al/IoT fields –







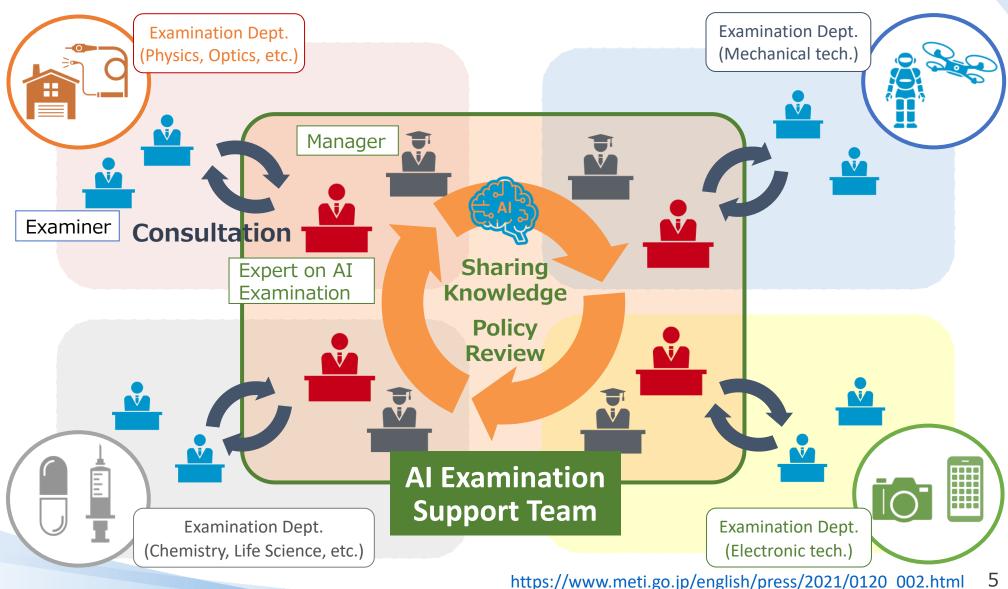






https://www.jpo.go.jp/e/system/laws/rule/guideline/patent/comic_ai_iot_e.html (YouTube) https://youtube.com/playlist?list=PLGv4h5a07975wBc8QpwOIV5h6bQsx5wLF

AI Examination Support Team



International Cooperation

- 1. The IP5 Offices (2022)
 A work roadmap including comparative studies on examination practices in NET/Al inventions
- 2. JPO and EPO (2021)
 Upgraded report on the comparative study of computer-implemented inventions, including those related to Al

- 3. JPO and CNIPA (2021)
 Discussion for progressing with the comparative study of case examples for Al-related inventions
- 4. ASEAN (2021)
 Study* on patent
 examination practices of Alrelated inventions by ERIA**

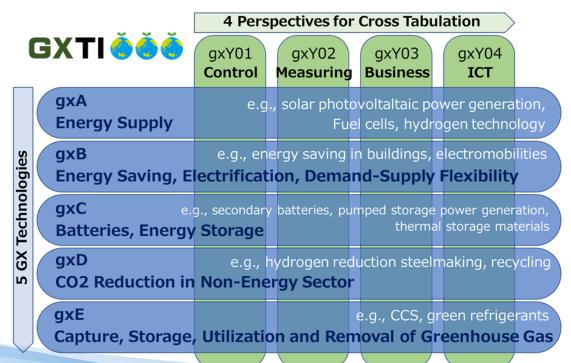
^{*}https://www.eria.org/publications/research-on-patent-examination-practices-for-emerging-technologies-in-asean-member-states/

^{**} Economic Research Institute for ASEAN and East Asia

Contribution to solving social issues through the utilization of IP

GXTI: Green Transformation Technologies Inventory

- Companies are expected to objectively illustrate how the value they provide (products and services) can contribute to the overall transformation of economic and social systems, i.e Green Transformation (GX), in order to solve social issues such as climate change issues.
- One measure that companies achieve this would be to analyze the patent information provided in various countries around the world in order to identify the position of their own technologies that can be used for the GX (GX technologies). This analysis would also be helpful in the planning of their business strategies.
- GXTI is a technology inventory that gives a comprehensive bird's-eye view of GX technology, and
 illustrates how to search for patent documents that disclose GX technologies. GXTI can be utilized for
 the analysis described above.



Expo 2025 Osaka, Kansai

> Theme : **Designing Future Society for Our Lives**

Concept: A laboratory for a future society

Venue : Yumeshima, Osaka

Schedule: 184 days (from April 13 to October 13, 2025)





Significance of the EXPO



Toward a future society for our lives

•Toward a coming post COVID-19 era, it will be significant for the world to come together for the Expo and take a step toward a new world beyond 2025 by sharing a vision of a future society for our lives.

Opportunity to verify the possibility of achieving Society 5.0

•"A laboratory for a future society" to apply new technologies, services, and systems to real society at the super-smart Expo venue, which forecasts a future society

Springboard for achieving the SDGs and beyond

- •An ideal opportunity to confirm the interim progress of international efforts to achieve the SDGs and accelerate the efforts
- •It is expected that the Expo, intended to explore a future society from a mediumto long-term perspective, will present not only a vision of a world in 2030 where the SDGs will have been achieved but also a vision of a world beyond the SDGs.

I OPEN PROJECT

Solving Social Problems



Decide yourself which mountains to climb, and how to climb them

STEP 0

Organizing Your Thoughts

~ Envisioning what you would like society to be ~



STEP 1

Shaping Ideas

~ Reflecting on yourself ~



STEP 3

Co-creation of Social Value

~ Learn to master the art of using ~



Putting Ideas into Practice

~Considering the value of the future ~



SUPPORTER

- Reaffirming motivation
- Confirming social significance
- Establishing a mission/vision

SUPPORTER

- Organizing current/future resources
- Developing strategies to solve problems
- Generating ideas
- Preparing IP rights prosecution

SUPPORTER

- Implementing and reviewing strategies
- Prototyping
- User testing
- IP rights prosecution

SUPPORTER

- Prospecting Partners
- Public relations/ branding
- Formatting for deployment
- Licensing IP rights

I OPEN PROJECT (Case for Support)

Endeavoring to reduce social stress through brown rice





Coming soon!







JAPAN SESSION 2022

Part I: Games X IP

- Wednesday, 7 September 2022

 1:30 3:15 pm (Singapore), 2:30 4:15 pm (Japan)
- Program
- 1:00 Registration
- 1:30 1:40 Opening & Welcome Remarks
 - Mr. Koichi HAMANO, Commissioner, Japan Patent Office (JPO)
- 1:40 1:55 Patent Landscape on Game Integration with Advanced Technology Mr. Atsushi NOZAKI, President / IP Information Architect, e-Patent Co., Ltd.
- 1:55 2:10 IP Strategies of Japanese Game Companies
 - Mr. Yoji KAWAGUCHI, Executive Director, Japan Online Game Association (JOGA)
- 2:10 2:25 Initiatives related to AI Inventions
 - Mr. Taichiro OKAYAMA, Deputy Director, Examination Standards Office, Administrative Affairs Division, Japan Patent Office (JPO)
- 2:25 2:30 Break
- 2:30 3:10 Panel Discussion
 - Moderator: Mr. Lih Shiun GOH, Senior Director, Public Affairs, APAC, Tencent
- 3:10 3:15 Closing Remarks
 - Mr. Kenji MIHARA、Director for IP, JETRO Singapore

Thank you!

