

# Fourth Industrial Revolution

March 1, 2018

36<sup>th</sup> Trilateral Conference

Meeting of Trilateral heads of Office with Trilateral Industry

Hakone, Japan

# Items for Discussion

- The proper direction of revision of Intellectual Property Law in the 4th Industrial Revolution
- New roles of Intellectual Property Owners in the 4th Industrial Revolution landscape

# Characteristics of Fourth Industrial Revolution

- Borderless Innovation
- Big Data
- Everything is Connected and Everything is Faster!
- New Types of Innovations

# IP Implications

- Borderless Innovation
  - **How to Designate Inventors as Multinational Inventorship Becomes Commonplace?**
    - Choice of Law is an issue because laws vary around the world
    - Definition of Inventorship – are all inventors designated equally?
    - Foreign Filing Licenses – where to file first?

# IP Implications

- Borderless Innovation (cont'd)
  - **How to Recognize and Reward?**  
Inventorship Remuneration - - are all inventors treated equally?
  - **How to Protect?**
    - Need Forward-looking globally harmonized IP system
    - Current Efforts : Industry Trilateral with Group B+

# IP Implications

- Big Data
  - Crosses all borders
  - Central to IR4
  - Yet, we have very little handle on
    - if and how it should be protected
    - How it should be regulated from privacy standpoint

# IP Implications

- Everything is Connected and Everything is Faster!
  - **Continued Explosion of Patent Applications**  
Improve Efficiency; Improve Worksharing
  - Currently: Global Dossier, Common Citation Document; Patent Prosecution Highway; ePCT

# IP Implications

- Everything is Connected and Everything is Faster!  
(cont'd)
  - Explore Other Possibilities:
    - Use Artificial Intelligence to enhance automated searching capabilities
    - Improve data management and sharing of information (e.g., only the originating Patent Office retains all copies of priority documents, specifications, etc., and other Offices rely upon the originating Office)



# IP Implications

- New Types of Innovations
  - **Patent Subject Matter Eligibility – improve laws to protect new technologies**