

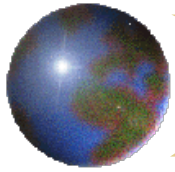
# IP Activities with AI

March 1, 2018

JIPA Management Committee

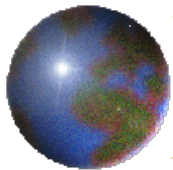


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*Creating IP Vision for the World*



# Agenda

- 1. Background & Purpose**
- 2. Supposable "IP Activities with AI"**
- 3. Examples of "IP Activities with AI"**
- 4. Suggestion**



# 1. Background & Purpose of our study

## Back-ground

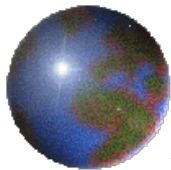
- AI is growing (e.g. deep learning) and spreading rapidly.
- Companies/people need to adapt and be familiar with AI. (IP department/professionals would not be exception.)

## Direction/ Scope

- Consider positively/proactively use of AI in IP activities. (AI is a good opportunity to improve our value)
- Not include what/how to obtain IP rights for AI technology.

## Question /Subject

- Can AI be suitable for IP activities in company?
- Can IP department provide new value by IP activities with AI?
- What is necessary in preparation for IP activities with AI?

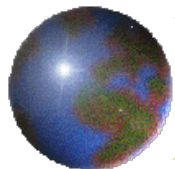


## 2. Supposable "IP Activities with AI"

### IP activity categories according to IP skill sets

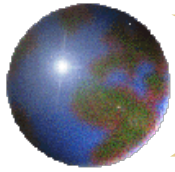
Strategy		IP Land-scaping
		IP Portfolio
		Open Innovation
		Organization Design
Execution	Management	Information
		Human Resource
		Contracts/Regulations
		Risk
	Operation	Finance
		Outsourcing
		IP Search
		IP Generation
		Commission/Joint reseach
		IP Prosecution
	Contracts	
	Enforcement	
	Value Assessment	

AI is supportive for many IP Activities in company



# 3. Examples of "IP Activities with AI"

Categories on ITSS	Examples (conducted by AI, then judged by person)	
Strategy	<p><b>IP Land-scaping</b></p>	<p><b>Press-release Analysis/Report:</b> With 24 hours monitor on global news regarding other companies, promptly analyze and timely report its threat/seriousness to related divisions, with automatic search of patent filings and related information.</p>
	<p><b>Open Innovation</b></p>	<p><b>Partner Candidates Extraction:</b> By analysis of patent information of own and the third parties, press releases, technical paper, affinities (relativeness) for proprietary technologies /business would be clarified and candidates for alliances are extracted.</p>
Management	<p><b>Risk Management</b></p>	<p><b>Risk Evaluation/Forecast:</b> From information in connection with patents, litigations, patent acquisitions and licensing, it would forecast potential risks at initial stage of business activities.</p>
	<p><b>HR Management</b></p>	<p><b>Education Program Optimization:</b> The best IP education program is automatically recommended based on information of each division's IP activity (e.g. filing), its work and result of previous trainings (e.g. exam score).</p>
Operation	<p><b>IP prosecution</b></p>	<p><b>Data Driven Prosecution:</b> By analysis of patent and examination information (OA, examination result) on each technical field (e.g. IPC), initial-draft documents (e.g. claims, remark) (especially for new/unfamiliar area) can be prepared.</p>

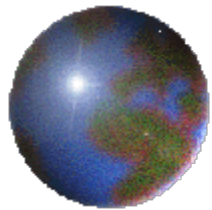


## 4. Suggestions

AI can be suitable for many of IP activities in company.

IP department can provide new and higher value to company through “IP activities with AI”.

To realize/achieve “IP activities with AI”, it is important to prepare “digitalized qualified data” on our current activities and “AI-familiar-IP-people”, from now.



Thank you  
for your attention



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