

Patentability of AI-Related Inventions

TIPO, Chinese Taipei
APEC 2025 KOREA
IPEG SOM3, Aug. 8th-9th, 2025

PATENT

LAW SEARCH
REGULATIONS
EXAMINATION
CREATION AWARDS

TRADEMARKS
REGISTRATION
DIVISION
FEES
COMPANY CERTIFICATE

COPYRIGHT
PROTECTION
MEASURE

ELECTRONIC
MUSIC
RIGHTS
MOVIES
GAMES

LEGAL
P2P
PUBLIC
PROPERTY
INFORMATION

INTERNATIONAL
DEVELOPMENT
COOPERATION

STRATEGY
INNOVATION
PATENT

AI
DATA
MANAGEMENT
OPERATION

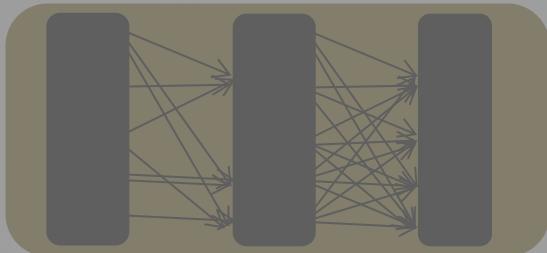
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FILE WRAPPER
RESEARCH
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Recent Work

- 2021 • Revise **Examination Guidelines** for Computer Software-Related Inventions
- 2022 • Release **Examination Case Examples** on Computer Software-Related Inventions
- 2024 • Study IP5 Reports & Collect Real AI Cases
- 2025 • Host a Workshop on AI-Related Inventions
- Release **Examination Case Examples**
(In Oct.) on AI-Related Inventions

AI-Related Inventions

Core



(e.g. ANN)

Application

Robotics

Natural
Language
Processing

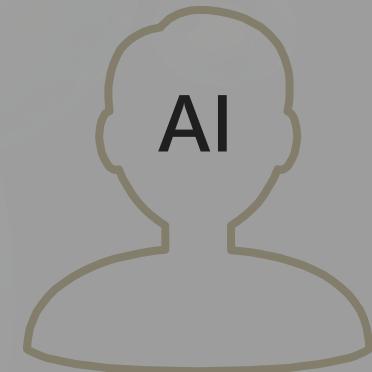
AI Core

Knowledge
Representation
& Reasoning

Image
Recognition

Data Mining

Inventor



AI Application Principle

Training Phase



Inference Phase



Case Example - Invention Concept

A Method for Calculating Mattress Match Score

(Body Feature Info.)



(Mattress Info.)



Sleep Pos. Pref.



AI Core:
MLP model

Mattress
Match Score

Case Example - Eligibility

Claim 1 :

A method for calculating mattress match scores, comprises:
obtaining a user' s sleeping position ...;
calculating the mattress match score ...;
displaying the mattress match score

Eligible?



Claim 3 :

A method for calculating mattress match scores, comprises:
using a collecting module to obtain a user' s sleeping position ...;
using a AI matching module to calculate the mattress match
score ...;
using a display module to display the mattress match score



Case Example – Enablement Requirement

Claim 5': :

(P)
Body Feature Info.

(Mattress Info.)
, , and ,

Sleep Pos. Pref.
(, , or)



AI Core:
MLP model



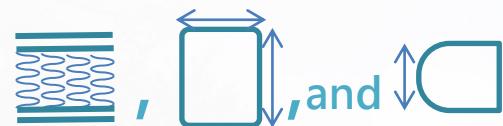
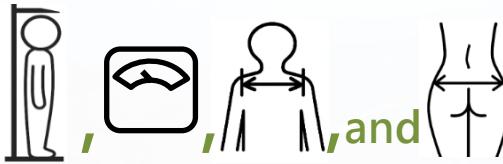
Enabled?



Mattress
Match Score

Case Example – Novelty/Inventive Step

Citation 1 :



Citation 2 :



Sleep Pos. Pref.

AI Core:
MLP model

AI Core:
MLP model

Is Claim 5
Patentable?

Mattress
Match Score

Only Citation 1 :



Citation 1+2 :

Mattress
Match Score

Patentability of The Case Example

Eligibility

Information processing by the SW is realized by using HW resources

Enablement Requirement

The logical correlation between input & output should be described.

Novelty/ Inventive Step

Even the same AI model is applied in the same field, if the I/O data differ, the resulting AI model and training method will differ.



Thank You