

Patentability of AI-Related Inventions

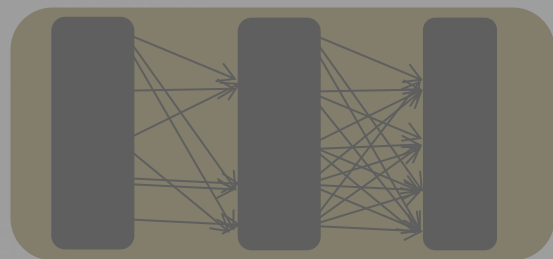
TIPO, Chinese Taipei
APEC 2025 KOREA
IPEG SOM3, Aug. 8th-9th, 2025

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

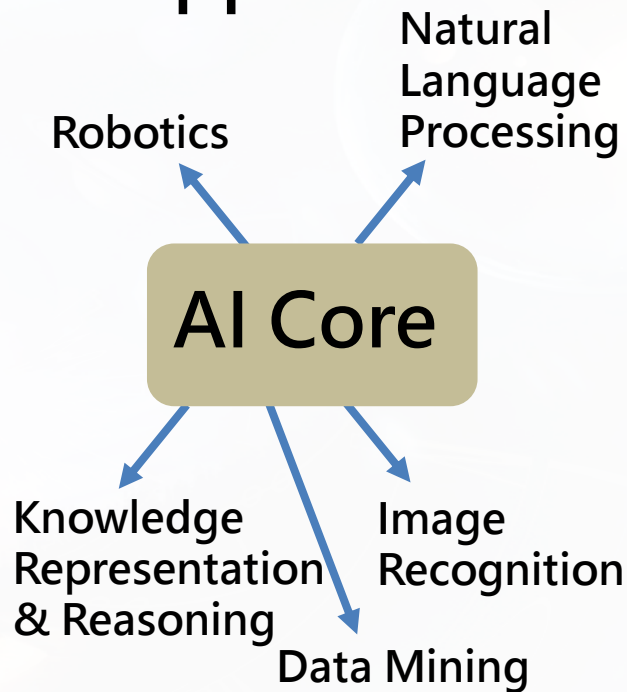
AI-Related Inventions

Core

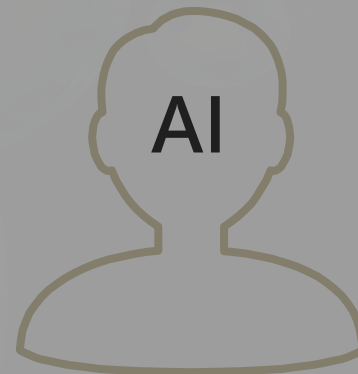


(e.g. ANN)

Application



Inventor

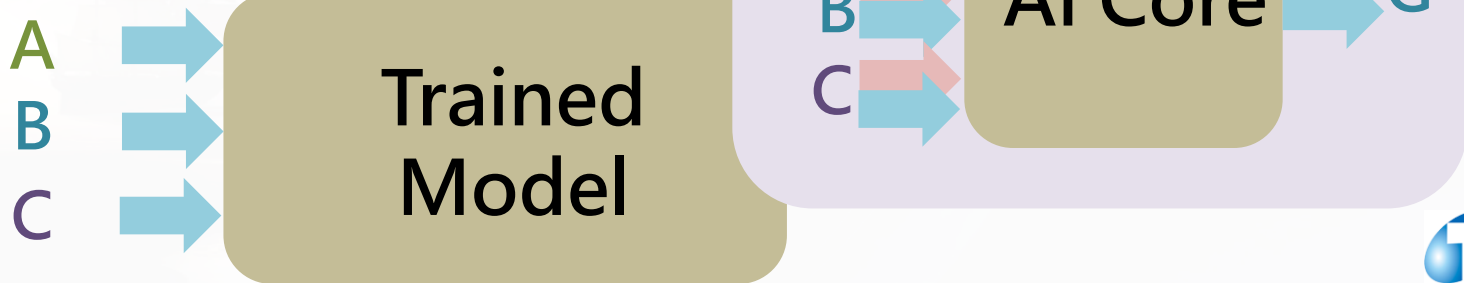


AI Application Principle

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': :

Body Feature Info.

(Mattress Info.)



Sleep Pos. Pref.



AI Core:
MLP model

Enabled?



Mattress
Match Score

Case Example – Novelty/Inventive Step

Citation 1 :



AI Core:
MLP model

Mattress
Match Score

Is Claim 5
Patentable?

Only Citation 1 :



Citation 2 :



Sleep Pos. Pref.

AI Core:
MLP model

Mattress
Match Score

Citation 1+2 :

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.

A nighttime photograph of the Taipei skyline. The Taipei 101 tower is the central focus, illuminated with green and white lights. The sky is a mix of orange, red, and blue, suggesting a sunset or sunrise. Other buildings in the city are also lit up, and the overall scene is vibrant and colorful.

Thank You