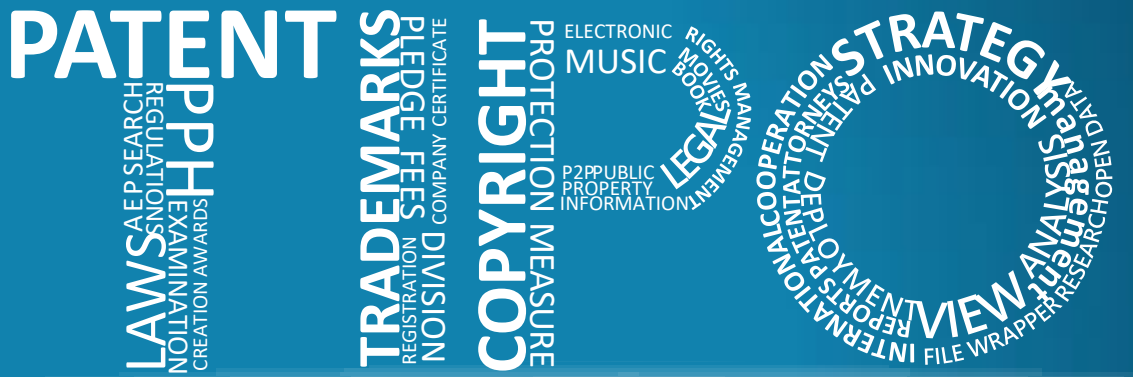


Patentability of AI-Related Inventions

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

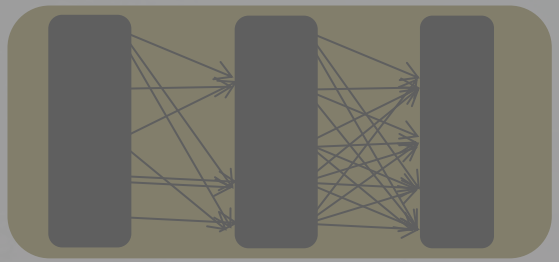
2024 Study IP5 Reports & Collect Real AI Cases

2025 Host a Workshop on AI-Related Inventions

(In Oct.) Release Examination Case Examples on AI-Related Inventions

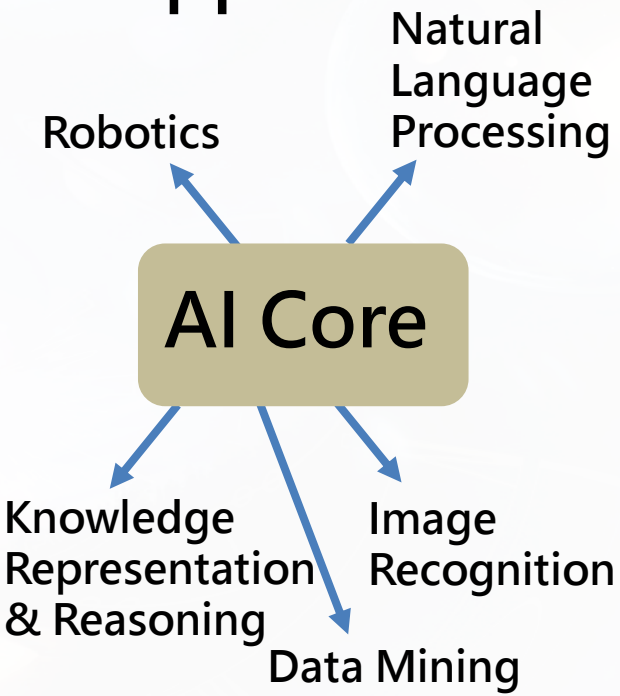
AI-Related Inventions

Core

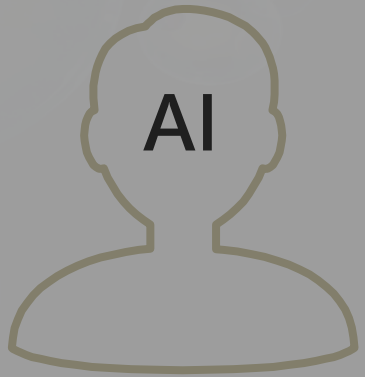


(e.g. ANN)

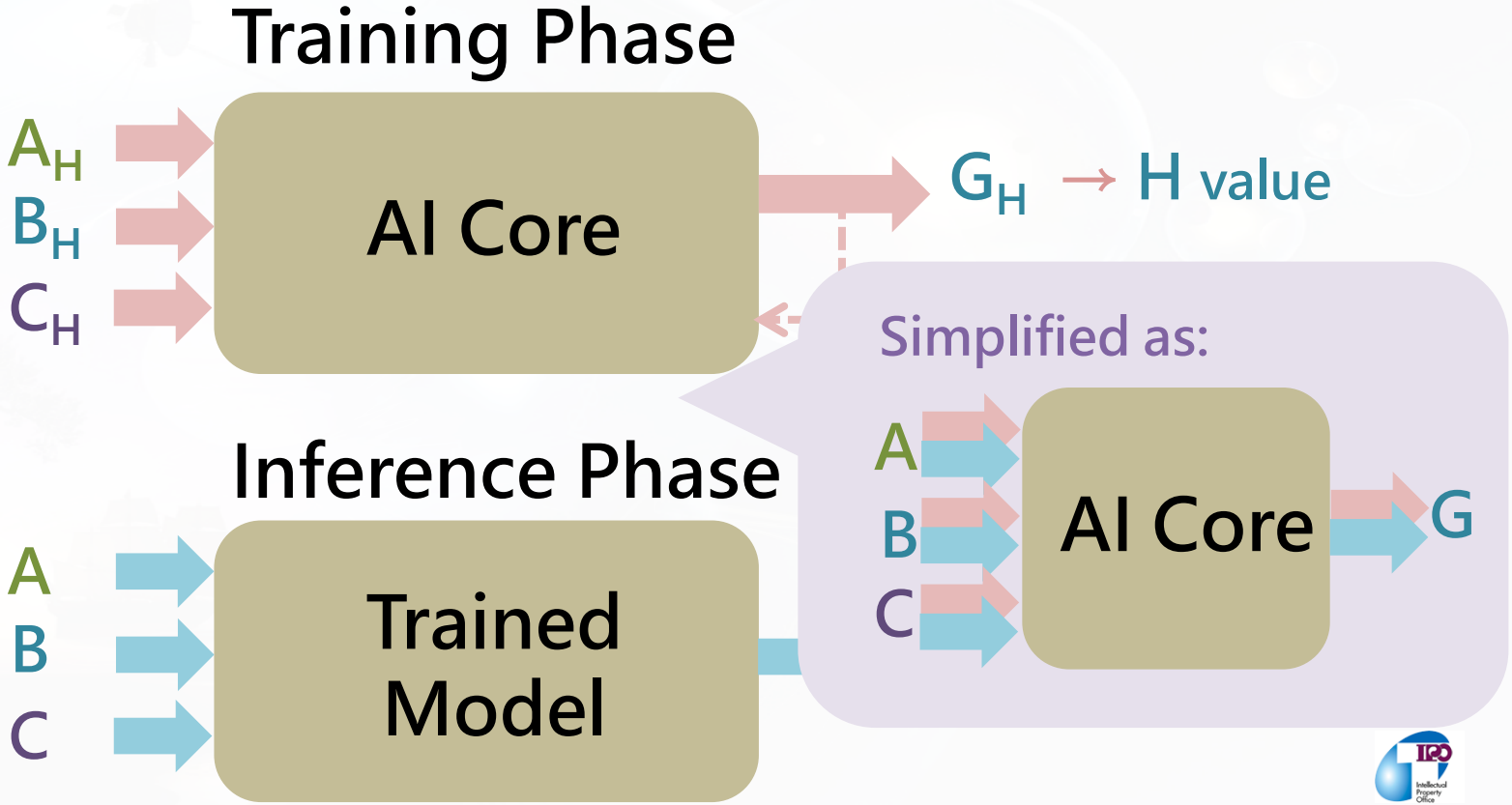
Application



Inventor



AI Application Principle

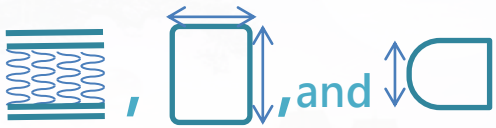


Case Example - Invention Concept

A Method for Calculating Mattress Match Score

(Body Feature Info.)

(Mattress Info.)



Sleep Position Preference

AI Core:
MLP model

Mattress
Match Score

Case Example - Eligibility

Eligible?

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 ....

Claim 3 :

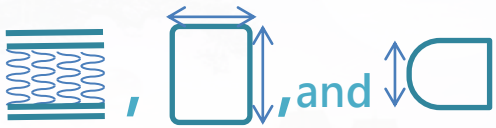
A method for calculating mattress match scores, comprises:
using a collecting module to obtain a user’ s sleeping position ...;
using a AI matching module to calculate the mattress match score ...;
using a display module to display the mattress match score ....

Case Example – Enablement Requirement

Claim 5 :

(Body Feature Info.)

(Mattress Info.)



Sleep Position Preference

AI Core:
MLP model

Enabled?

Mattress
Match Score

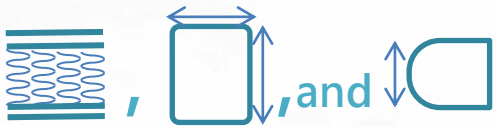
Case Example – Enablement Requirement

Claim 5’ :

(R

Body Feature Info.

(Mattress Info.)



Sleep Position Preference

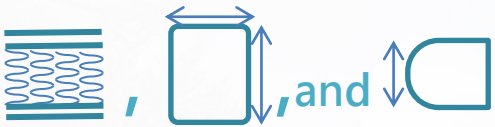
AI Core:
MLP model

Enabled?

Mattress
Match Score

Case Example – Novelty/Inventive Step

Citation 1 :



Citation 2 :

Sleep Position Preference

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 when the same AI model is applied in the same field, differences in I/O data will result in variations in the trained model and the training method.


Thank You