

# SUMMARY OF FORMULATION LOGIC FOR AATRIZINVENTOR SOLUTION

## Work Paper

If you applied summary or abbreviated descriptions, have them available to review this logic.

Objective of the Innovation Challenge

Improve Facial recognition by a Facial Recognition Inspector affected by identification difficulties and poor performance

Evaluated Object S1

FACIAL RECOGNITION INSPECTOR - Type: Moving

Object S2 interacting with S1

PEOPLE TO RECOGNITION - Type: Moving

Physical Variable or Characteristic

Ability for facial recognition

the undesirable

With Less Ability for facial recognition there is undesirable effects, then there is More difficulty to :

Improve Facial recognition by a Facial Recognition Inspector affected by identification difficulties and poor performance

the desirable

With More Ability for facial recognition there is desirable effect, then there is More ease to :

Improve Facial recognition by a Facial Recognition Inspector affected by identification difficulties and poor performance

TRIZ Innovation Parameters Evaluated

TRIZ Innovation Parameters	Undesirable Effect (UDE)/ Desirable Effect (DE)	Evaluate
1. Heaviness of moving object	<p>FACIAL RECOGNITION INSPECTOR : There is More difficulty to Improve Facial recognition by a Facial Recognition Inspector affected by identification difficulties and poor performance because there is More Heaviness due to work demand for facial recognition</p> <p>Effect : undesirable</p>	<div>Yes</div> <div>No</div>
28. Measurement accuracy	<p>FACIAL RECOGNITION INSPECTOR : There is More difficulty to Improve Facial recognition by a Facial Recognition Inspector affected by identification difficulties and poor performance because there is Less Measurement accuracy in facial recognition</p> <p>Effect : undesirable</p>	<div>Yes</div> <div>No</div>
35. Adaptability or versatility	<p>FACIAL RECOGNITION INSPECTOR : There is More difficulty to Improve Facial recognition by a Facial Recognition Inspector affected by identification difficulties and poor performance because there is Less Adaptability to the variability of faces of the people</p> <p>Effect : undesirable</p>	<div>Yes</div> <div>No</div>
37. Difficulty of detecting and measuring	<p>FACIAL RECOGNITION INSPECTOR : There is More difficulty to Improve Facial recognition by a Facial Recognition Inspector affected by identification difficulties and poor performance because there is More Difficulty in detecting facial features for facial recognition</p> <p>Effect : undesirable</p>	<div>Yes</div> <div>No</div>
7. Volume of moving object	<p>FACIAL RECOGNITION INSPECTOR : There is More difficulty to Improve Facial recognition by a Facial Recognition Inspector affected by identification difficulties and poor performance because there is More Volume of information to process for facial recognition</p> <p>Effect : undesirable</p>	<div>Yes</div> <div>No</div>

TRIZ Innovation Parameters	Undesirable Effect (UDE)/ Desirable Effect (DE)	Evaluate
12. Shape / composition / configuration	<p>FACIAL RECOGNITION INSPECTOR : There is More difficulty to Improve Facial recognition by a Facial Recognition Inspector affected by identification difficulties and poor performance because there is Less Appropriate form to perform facial recognition</p> <p>Effect : undesirable</p>	<div>Yes</div> <div>No</div>
26. Quantity of substance / Capacity gains	<p>FACIAL RECOGNITION INSPECTOR : There is More difficulty to Improve Facial recognition by a Facial Recognition Inspector affected by identification difficulties and poor performance because there is More Number of facial recognitions performed</p> <p>Effect : undesirable</p>	<div>Yes</div> <div>No</div>
32. Ease of achieving desired outcome	<p>FACIAL RECOGNITION INSPECTOR : There is More ease to Improve Facial recognition by a Facial Recognition Inspector affected by identification difficulties and poor performance because there is Ease of achieving the desired facial recognition outcome</p> <p>Effect : desirable</p>	<div>Yes</div> <div>No</div>