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 Extraction of termite by a chimpanzee affected by an underground termite nest

Evaluated Object S1

CHIMPANZEE'S HAND - Type: Moving

Object S2 interacting with S1

TERMITE IN UNDERGROUND NEST - Type: Stationary

Physical Variable or Characteristic

Ability to extract termites from nests underground

the undesirable

With Less Ability to extract termites from nests underground there is undesirable effects, then there is More difficulty to :

Improve Extraction of termite by a chimpanzee affected by an underground termite nest

the desirable

With More Ability to extract termites from nests underground there is desirable effect, then there is More ease to :

Improve Extraction of termite by a chimpanzee affected by an underground termite nest

TRIZ Innovation Parameters Evaluated

TRIZ Innovation Parameters	Undesirable Effect (UDE)/ Desirable Effect (DE)	Evaluate
3. Length of moving object	CHIMPANZEE'S HAND : There is More difficulty to Improve Extraction of termite by a chimpanzee affected by an underground termite nest because there is Less Length of the finger that prevents access to the termite nest underground Effect : undesirable	Yes No
5. Area of moving object	CHIMPANZEE'S HAND : There is More difficulty to Improve Extraction of termite by a chimpanzee affected by an underground termite nest because there is More Area of the finger that prevents access to the termite nest underground. Effect : undesirable	Yes No
12. Shape / composition / configuration	CHIMPANZEE'S HAND : There is More difficulty to Improve Extraction of termite by a chimpanzee affected by an underground termite nest because there is Less Appropriate shape for extracting termites from the nest underground Effect : undesirable	Yes No
35. Adaptability or versatility	CHIMPANZEE'S HAND : There is More difficulty to Improve Extraction of termite by a chimpanzee affected by an underground termite nest because there is Less Adaptability to the variability of termite location through curved access to the termite nest Effect : undesirable	Yes No
37. Difficulty of detecting and measuring	CHIMPANZEE'S HAND : There is More difficulty to Improve Extraction of termite by a chimpanzee affected by an underground termite nest because there is More Difficulty in detecting termites in the nest underground Effect : undesirable	Yes No

TRIZ Innovation Parameters	Undesirable Effect (UDE)/ Desirable Effect (DE)	Evaluate
19. Use of energy by moving object	CHIMPANZEE'S HAND : There is More ease to Improve Extraction of termite by a chimpanzee affected by an underground termite nest because there is More Efficient use of energy to extract termites from the underground nest Effect : desirable	Yes No