Hhhh

Patent is for human being

Looking for presence of words from Golden Set

Algorithm to form automatically Golden sets for user of following age categories: 1. Babies 2. Kids 3. Teenagers 4. Adults 5. elderly

Extract patent from patent database

Found

not present

Not found

Patent is not for human being

Search for presence of words indicating age group:

-for babies

-for kids

-for teenagers

-for adults

-for elderly

Found

Add General Gold set words into Gold set for related age category. Give to those words weight 1

Not found

Patents database

Hhhh

Found

Presence of specific terms for AI and Robotics

Looking for presence of words from Golden Sets for all age categories

Algorithm to form automatically recognize if patent is for human being and recognize user age category

Extract patent from patent database

Found

not present

Not found

Not found

Define probable user age category with following formula:

(Words from specific Golden set)/(All words from generic golden set)

Patent is not for human being

Patents database

Patent user classified

Go to Schema 2

Schema 1. Algorithm to form automatically recognize if patent is for human being in case of presence of specific AI or/and Robotics terms

Hhhh

Found

Presence of specific terms for AI and Robotics

Looking for presence of words from Golden Sets for all age categories

Extract patent from patent database

Found

not present

Not found

Not found

Define probable user age category with following formula:

(Words from specific Golden set)/(All words from generic golden set)

Patent is not for human being

Patents database

Patent user classified

Go to Schema 2

Schema 2. Algorithm to define is patent is for human being or for AI in case it contains both terms related to human being or related to AI and/or robotics

Define probable user age category with following formula:

(Words from specific Golden set)/(All words from generic golden set)

Presence of words with meaning of control/or words describing emotions, illnesses, human being social roles, daily care routines, social interaction or behaviors?

Yes

No

Patents database

Patent is not for human being

Patent user classified

Search for absence of:

Robotics terms

AI terms

Search for absence of:

Robotics terms

AI terms

Search for absence of:

Robotics terms

AI terms

Search for absence of:

Robotics terms

AI terms