

Title (en)

METHOD FOR ASSISTING A PERSON IN ACTING IN A DYNAMIC ENVIRONMENT AND CORRESPONDING SYSTEM

Title (de)

VERFAHREN ZUR UNTERSTÜTZUNG EINER PERSON IN EINER DYNAMISCHEN UMGEBUNG UND ENTSPRECHENDES SYSTEM

Title (fr)

PROCÉDÉ PERMETTANT D'AIDER UNE PERSONNE À AGIR DANS UN ENVIRONNEMENT DYNAMIQUE ET SYSTÈME CORRESPONDANT

Publication

EP 3693943 A1 20200812 (EN)

Application

EP 19155614 A 20190205

Priority

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Abstract (en)

The invention assists a person in assessing a dynamic environment. Information on actual states of at least two entities in a common environment is obtained and a first future state for each of the entities is predicted based on the obtained information. Then, at least one of a time to event for a first event involving the at least two entities, a position of occurrence of the first event relative to the person or to a predetermined entity associated with the person, a direction to a current location of an entity involved in the first event, and a probability of occurrence of the first event based on the predicted future states is predicted is determined. Additionally, a second future state for at least one of the entities is predicted, based on a hypothetical state of at least one of the entities. The hypothetical state is generated by altering at least one parameter of the actual state. Then, at least one of a time to event for a second event involving the at least two entities, a direction to a current location of an entity involved in the second event, and a probability of occurrence of the second event, a position of occurrence of the second event relative to the person or to a predetermined entity associated with the person based on the second future state is predicted. A signal for driving at least one actuator is generated. The signal is indicative of an information which encodes at least one of the position of the first event, the time to event for the first event, the probability of occurrence of the first event and a further information which encodes at least one of the position of the second event, the time to event for the second event, the direction to the current location of the entity involved in the second event and the probability of occurrence of the second event, The signal causes a stimulation by the at least one actuator emitting stimuli being perceivable by the person by its perceptual capabilities.

IPC 8 full level

G08G 1/16 (2006.01)

CPC (source: EP)

G08G 1/163 (2013.01); **G08G 1/165** (2013.01); **G08G 1/166** (2013.01)

Citation (search report)

- [X] EP 3413288 A1 20181212 - HONDA RES INST EUROPE GMBH [DE]
- [A] US 9566981 B2 20170214 - REBHAN SVEN [DE], et al
- [A] US 9104965 B2 20150811 - FRITSCH JAN [DE], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

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DOCDB simple family (publication)

EP 3693943 A1 20200812; **EP 3693943 B1 20240529**; JP 2020161117 A 20201001; JP 7071413 B2 20220518

DOCDB simple family (application)

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