

Title (en)

ANTI-COLLISION SYSTEM FOR MOVING AN OBJECT AROUND A CONGESTED ENVIRONMENT

Title (de)

KOLLISIONSSCHUTZSYSTEM ZUR BEWEGUNG EINES OBJEKTS UM EINE ÜBERLASTETE UMGEBUNG HERUM

Title (fr)

SYSTEME ANTICOLLISION POUR LE DEPLACEMENT D'UN OBJET DANS UN ENVIRONNEMENT ENCOMBRE

Publication

EP 2512756 A1 20121024 (FR)

Application

EP 10807627 A 20101217

Priority

- FR 0959224 A 20091218
- FR 2010052805 W 20101217

Abstract (en)

[origin: WO2011073599A1] The invention relates to an anti-collision system for moving an object around an environment, said system including a processing unit connected to sensors capable of obtaining the position of the object in the environment in real time, said processing unit being provided with software and hardware means for monitoring the object and for implementing: a virtual 3-D model of the environment, a real-time virtual 3-D model of the object moving around the environment, a virtual 3-D model of a virtual shell around the object, and an algorithm for real-time detection of collisions between the virtual shell and the modelled environment, a warning signal and an estimation of said collision being generated in the event of a virtual collision.

IPC 8 full level

B25J 9/16 (2006.01)

CPC (source: EP US)

B25J 9/1666 (2013.01 - US); **B25J 9/1671** (2013.01 - EP US); **G05B 2219/39082** (2013.01 - EP US); **G05B 2219/49137** (2013.01 - EP US)

Citation (search report)

See references of WO 2011073599A1

Cited by

US11407111B2

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