

Title (en)

METHOD AND DEVICE FOR THE COMBINED SIMULATION AND CONTROL OF REMOTE-CONTROLLED VEHICLES USING A USER-FRIENDLY PROJECTION SYSTEM

Title (de)

VERFAHREN UND VORRICHTUNG ZUM KOMBINIERTEN SIMULIEREN UND STEuern FERNGESTEUERTER FAHRZEUGE MIT EINEM BENUTZERFREUNDLICHEN PROJEKTIONSSYSTEM

Title (fr)

PROCÉDÉ ET DISPOSITIF DE SIMULATION ET DE PILOTAGE COMBINÉS D'ENGINS TÉLÉCOMMANDÉS, INCLUANT UN SYSTÈME DE PROJECTION CONVIVIAL

Publication

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Application

EP 13852371 A 20131119

Priority

- DE 102012023925 A 20121206
- IB 2013003244 W 20131119

Abstract (en)

[origin: CA2891377A1] The invention relates to a device and a method for the combined simulation and control of remote-controlled vehicles in a simulator. A driver's/pilot's compartment comprising real operating elements and emulating the vehicle to be controlled is provided with a six-axis industrial robot connected to ground. A display emulating the contours of the driver's/pilot's compartment serves to convey a simulated view of the exterior. The invention is characterized by the following: a) the vehicle to be controlled transmits to the user of the simulator actual data that are captured by sensors, b) the user of the simulator thus has virtually the same impression of the motion of the vehicle as a real driver/pilot, c) the manner in which the user of the simulator reacts is converted to mechanically picked-up signals, d) a sensor unit mounted in the head region of the user is provided for adjusting the pair of eyes, and e) an apparatus corrects, with the aid of a GPS system in the case of a vehicle that is controlled in reality, the actual position of the vehicle to the calculated position.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2014102620A2

Designated contracting state (EPC)

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