

Title (en)

DEVICE FOR ACTIVE CONTROL OF SOUND INSULATION IN AN AUTONOMOUS VEHICLE PASSENGER COMPARTMENT

Title (de)

VORRICHTUNG ZUR AKTIVEN STEUERUNG DER SCHALLDÄMMUNG IN EINEM PASSAGIERRAUM EINES AUTONOMEN FAHRZEUGS

Title (fr)

DISPOSITIF DE CONTRÔLE ACTIF DE L'ISOLATION PHONIQUE DANS L'HABITACLE D'UN VÉHICULE AUTONOME

Publication

**EP 3607546 B1 20230906 (FR)**

Application

**EP 18720766 A 20180323**

Priority

- FR 1752910 A 20170404
- FR 2018050716 W 20180323

Abstract (en)

[origin: WO2018185395A1] A control device (DC) is fitted to a vehicle (VA) which can be driven by a driver during a manual driving phase and which comprises a passenger compartment (H) fitted with a loudspeaker (HP) capable of diffusing sound signals and an assistance device (DA) for driving said vehicle in a totally autonomous manner during an autonomous driving phase. This device (DC) comprises acquisition means (MA) for recording first sound signals present in the external environment of the vehicle (VA), and control means (MC) for generating, during an autonomous driving phase, second sound signals in phase opposition to the first recorded sound signals, in order to supply same to the loudspeaker (HP) so that the transmission of said signals induces cancellation of the first sound signals in the passenger compartment (H).

IPC 8 full level

**G10K 11/178** (2006.01)

CPC (source: EP US)

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