

Title (en)

Retractable speaker structure for use in a vehicle

Title (de)

Einziehbare Lautsprecherstruktur zur Verwendung in einem Fahrzeug

Title (fr)

Structure de haut-parleur rétractable destinée à être utilisée dans un véhicule

Publication

EP 2955933 A1 20151216 (EN)

Application

EP 14171726 A 20140610

Priority

EP 14171726 A 20140610

Abstract (en)

A retractable speaker structure for use in a vehicle is provided. The retractable speaker structure (10) includes: a case (1) formed with a chamber (11); a driving member (2) installed in the chamber (11) and including a stepping motor (21) and a transmission shaft (22) connected to the stepping motor (21); a retracting mechanism (3) disposed in the chamber (11) and including a screw rod (31) and a retractable rod (32) fitted with the screw rod (31). The screw rod (31) is driven by the transmission shaft (22) to rotate, thereby enabling the retractable rod (32) to perform a protruding/retracting movement relative to the screw rod (31); and a speaker (4) secured at an end section of the retractable rod (32) and moved with the retractable rod (32). Accordingly, the retractable speaker structure (10) is able to be adjusted for being protruded or retracted according to the actual needs.

IPC 8 full level

H04R 1/02 (2006.01)

CPC (source: EP)

H04R 1/02 (2013.01); **H04R 5/02** (2013.01); **H04R 2499/13** (2013.01)

Citation (search report)

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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)

BA ME

DOCDB simple family (publication)

EP 2955933 A1 20151216; **EP 2955933 B1 20180418**; ES 2669118 T3 20180524

DOCDB simple family (application)

EP 14171726 A 20140610; ES 14171726 T 20140610