Title (en)

GEAR SHIFT CONTROL DEVICE FOR AUTOMATIC TRANSMISSION

Title (de)

GANGSCHALTUNGSSTEUERVORRICHTUNG FÜR EIN AUTOMATIKGETRIEBE

Title (fr)

DISPOSITIF DE COMMANDE DE CHANGEMENT DE RAPPORTS POUR TRANSMISSION AUTOMATISÉE

Publication

EP 2852781 A1 20150401 (FR)

Application

EP 13720984 A 20130328

Priority

• FR 1254660 A 20120522
• FR 2013050679 W 20130328

Abstract (en)

[origin: WO2013175082A1] Device for controlling gear shifts in an automatic transmission (1) contained inside a mechanism casing (11) backing onto a clutch casing (10), comprising a selection motor (200), a gear shift motor (100), a reduction mechanism for the selection movement (200a, 201, 202) a reduction mechanism for the gear shift movement (10a, 11, 102) and a gear shift module (50) operated by these mechanisms to select two ratios by placing a gear shift finger in a fork dog (47, 48, 49) and to engage a gear ratio by moving the selected fork (41, 42, 43) using the gear shift finger, characterized in that the gear shift module (50) and the reduction mechanisms are located inside casings (10, 11) of the box (1), whereas the actuating motors (100, 200) are placed outside this box.

IPC 8 full level

F16H 61/32 (2006.01); **F16H 57/02** (2012.01); **F16H 63/20** (2006.01)

CPC (source: CN EP RU)

F16H 61/28 (2013.01 - RU); **F16H 61/32** (2013.01 - CN EP); **F16H 63/20** (2013.01 - RU); F16H 2057/02026 (2013.01 - CN EP); F16H 2061/2884 (2013.01 - CN EP); F16H 2061/2892 (2013.01 - CN EP)

Citation (search report)

See references of WO 2013175082A1

Citation (examination)

FR 2797018 A1 20010202 - RENAULT [FR]

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)

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DOCDB simple family (application)

FR 2013050679 W 20130328; BR 112014028710 A 20130328; CN 201380029230 A 20130328; EP 13720984 A 20130328; FR 1254660 A 20120522; IN 9883DEN2014 A 20141121; JP 2015513237 A 20130328; RU 2014151734 A 20130328; ZA 201408590 A 20141121