Title (en)

METHOD AND DEVICE FOR CONTROLLING THE PRESELECTION OF A GEAR RATIO IN A DUAL-CLUTCH GEARBOX, IN ORDER TO LIMIT THE NOISE MADE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR STEUERUNG DER VORAUSWAHL DES ÜBERSETZUNGSVERHÄLTNISSES IN EINEM DOPPELKUPPLUNGSGETRIEBE ZUR BEGRENZUNG DES ERZEUGTEN LÄRMS

Title (fr)

PROCÉDÉ ET DISPOSITIF DE CONTRÔLE DE LA PRÉSÉLECTION D'UN RAPPORT D'UNE BOÎTE DE VITESSES À DOUBLE EMBRAYAGE, POUR LIMITER LE BRUIT INDUIT

Publication

EP 3080488 A1 20161019 (FR)

Application

EP 14806036 A 20141107

Priority

• FR 1362410 A 20131211
• FR 2014052854 W 20141107

Abstract (en)

[origin: WO2015086932A1] A method for controlling the preselection, in a vehicle, of a gear ratio of a dual-clutch gearbox comprising a sliding gear, rotating as one with a secondary shaft while at the same time being capable of translational movement and comprising a dog clutch and a synchronizer which can be coupled to an idling pinion mounted to rotate freely on the secondary shaft. This method comprises a first step (30) in which a minimum force is applied to the sliding gear to cause the synchronizer a translational movement and bring about synchronizing coupling with the idling pinion giving rise to a noise below a first threshold, and a second step (30) in which a force higher than a second threshold is applied to the sliding gear in order to force the dog clutch to offset the synchronizer angularly, then the dog clutch is made to effect a translational movement at a predefined minimum speed in order to bring about coupling of the latter to the idling pinion giving rise to a noise below the first threshold.

IPC 8 full level

F16H 61/688 (2006.01); **F16H 57/00** (2012.01)

CPC (source: EP)

F16H 61/0403 (2013.01); **F16H 61/688** (2013.01); B60Y 2306/09 (2013.01); F16H 57/0006 (2013.01); F16H 2061/2823 (2013.01); F16H 2306/18 (2013.01)

Citation (search report)

See references of WO 2015086932A1

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