

Title (en)

METHOD FOR CHANGING GEARS UP FOR AN AUTOMATIC GEARBOX OF A MOTOR VEHICLE

Title (de)

VERFAHREN ZUR AUFWÄRTSSCHALTUNG FÜR EIN AUTOMATIKGETRIEBE EINES KRAFTFAHRZEUGES

Title (fr)

PROCEDE DE CHANGEMENT DE RAPPORTS MONTANT POUR BOITE DE VITESSES AUTOMATIQUE D'UN VEHICULE AUTOMOBILE

Publication

**EP 2616717 A1 20130724 (FR)**

Application

**EP 11743109 A 20110712**

Priority

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- FR 2011051663 W 20110712

Abstract (en)

[origin: WO2012035220A1] According to said method - the vehicle comprising a clutch that enables torque (CM) of an engine shaft to be transmitted to a primary shaft, and the gearbox comprising two couplers, each one enabling torque to be transmitted from the primary shaft to a secondary shaft - a) the two couplers are placed in the slip state thereof; b) the clutch is placed in the slip state thereof; c) the torque (CCI) transmitted by the initial coupler is reduced and the torque (CCF) transmitted by the final coupler is increased; d) when the torque transmitted by the initial coupler reaches a null value, the end coupler and the clutch are given two torque instructions causing a reduction in the rotational speed of the primary shaft until a target value is reached, then, once it is reached; e) the final coupler is placed in the locked state thereof; then f) the torque of the engine shaft is controlled so as to synchronise the engine shaft and the primary shaft, then the clutch is placed in the locked state thereof. According to said method, in step d), the torque instruction given to the clutch causes the reduction of the torque transmitted by the clutch from a reference value (Cref) to a lower torque target value (Ctarget).

IPC 8 full level

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