

Title (en)

GEARBOX FOR A MOTOR VEHICLE

Title (de)

GETRIEBE FÜR EIN KRAFTFAHRZEUG

Title (fr)

BOITE DE VITESSES POUR VEHICULE AUTOMOBILE

Publication

**EP 3177856 A1 20170614 (FR)**

Application

**EP 15753102 A 20150710**

Priority

- FR 1457599 A 20140805
- FR 2015051916 W 20150710

Abstract (en)

[origin: WO2016020590A1] A gearbox for a motor vehicle comprising at least one coupling means (213, 223, 233) for coupling a shaft (1000, 1001) to a pinion mounted about said shaft (1000, 1001), said coupling means (213, 223, 233) being movable in translation, a control cylinder (100) movable in rotation to control the translation of said coupling means (213, 223, 233), a means (610, 910) for monitoring the angular displacement of the cylinder (100), a means (700, 800, 900) for observing if the control cylinder (100) is at a predefined angular position ( $\theta_0$ ) predefined to initialise said monitoring means (610, 910), and a means (600, 900) for controlling the rotation of the cylinder (100) until the fact that the cylinder (100) is in said predefined angular position ( $\theta_0$ ) is observed, characterised in that the gearbox further comprises means (261, 262, 263, 900) for disengaging the coupling means (213, 223, 233) from the cylinder (100) during the implementation of said means (600, 900) for controlling the rotation of the cylinder (100) until the fact that the cylinder (100) is in said predefined angular position ( $\theta_0$ ) is observed, and re-engaging said coupling means (213, 223, 233) in the cylinder (100) in order to engage a gear ratio.

IPC 8 full level

**F16H 61/32** (2006.01); **F16H 61/28** (2006.01); **F16H 63/18** (2006.01)

CPC (source: EP)

**F16H 61/32** (2013.01); **F16H 63/18** (2013.01); **F16H 2061/0053** (2013.01); **F16H 2061/283** (2013.01); **F16H 2061/2846** (2013.01)

Citation (search report)

See references of WO 2016020590A1

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)

**WO 2016020590 A1 20160211**; EP 3177856 A1 20170614; FR 3024760 A1 20160212; FR 3024760 B1 20160805

DOCDB simple family (application)

**FR 2015051916 W 20150710**; EP 15753102 A 20150710; FR 1457599 A 20140805