

Title (en)
ACTUATING DEVICE WITH SELECTOR LEVER RETURN

Title (de)
BETÄTIGUNGSEINRICHTUNG MIT WÄHLHEBELRÜCKFÜHRUNG

Title (fr)
DISPOSITIF D'ACTIONNEMENT À MÉCANISME DE RETOUR DU LEVIER DE SÉLECTION

Publication
EP 2126417 A1 20091202 (DE)

Application
EP 08715530 A 20080305

Priority
• DE 2008000381 W 20080305
• DE 102007015262 A 20070327

Abstract (en)
[origin: WO2008116437A1] The invention relates to an actuating device for selecting shifting stages of a shift-by-wire gearshift mechanism. The actuating device comprises a selector lever that can be moved between at least one driving position and one parking brake position, the lever having stable selector lever positions, and a detent device with a spring-loaded detent element (6) and a detent link. According to the invention, the actuating device is characterized by a separating device having a thrust wedge (7) that is driven by an actuator. By means of the thrust wedge, the detent element (6) and detent link can be moved out of a first relative position, in which the detent element (6) engages in a switching track of the detent link, into a further relative position, in which the detent element (6) is not engaged in the switching track of the detent link. The invention provides for an automatic return of the selector lever into the parking brake position and thus provides the driver with optical and also tactile correct feedback about the actual shifting state of the transmission.

IPC 8 full level
F16H 59/02 (2006.01); **F16H 63/48** (2006.01)

CPC (source: EP KR US)
F16H 59/02 (2013.01 - KR); **F16H 59/0204** (2013.01 - EP US); **F16H 61/24** (2013.01 - EP US); **F16H 63/48** (2013.01 - KR); **F16H 2059/0295** (2013.01 - EP US); **F16H 2061/241** (2013.01 - EP US); **Y10T 74/20067** (2015.01 - EP US); **Y10T 74/20098** (2015.01 - EP US); **Y10T 74/20122** (2015.01 - EP US); **Y10T 74/20128** (2015.01 - EP US)

Citation (search report)
See references of WO 2008116437A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102007015262 A1 20081002; **DE 102007015262 B4 20090709**; CN 101646883 A 20100210; CN 101646883 B 20130918; EP 2126417 A1 20091202; JP 2010522115 A 20100701; JP 5264879 B2 20130814; KR 101394678 B1 20140514; KR 20090122450 A 20091130; US 2010024584 A1 20100204; US 8336418 B2 20121225; WO 2008116437 A1 20081002

DOCDB simple family (application)
DE 102007015262 A 20070327; CN 200880009898 A 20080305; DE 2008000381 W 20080305; EP 08715530 A 20080305; JP 2010500063 A 20080305; KR 20097019496 A 20080305; US 53131908 A 20080305