

Title (en)
TRANSMISSION FOR A MOTOR VEHICLE

Title (de)
GETRIEBE FÜR EIN KRAFTFAHRZEUG

Title (fr)
BOÎTE DE VITESSES POUR VÉHICULE AUTOMOBILE

Publication
EP 3149364 A1 20170405 (DE)

Application
EP 15717912 A 20150427

Priority
• DE 102014209970 A 20140526
• EP 2015059003 W 20150427

Abstract (en)
[origin: WO2015180903A1] The invention relates to a transmission, in particular a double clutch transmission, for a motor vehicle, comprising at least two sub-transmissions, wherein each sub-transmission has at least one input shaft, and an output shaft is arranged as a pinion shaft of both sub-transmissions, wherein the at least one input shaft is arranged on an input shaft axis, and the pinion shaft is arranged on the input shaft axis or on a counter shaft axis, in particular a counter shaft axis that is parallel to the input shaft axis, wherein an intermediate gear is arranged with at least one counter shaft, said at least one counter shaft being arranged on the counter shaft axis, and wherein at least four shifting elements are arranged, at least each at least two shifting elements are arranged on the input shaft axis and counter shaft axis, wherein at least one of the input shafts can be connected to the pinion shaft by means of at least two wheel planes and/or at least one shifting element, and wherein at least two, in particular at least three, preferably at least half of the at least four shifting elements are formed in a non-synchronised manner, and at least two, in particular at least a third of the at least four shifting elements are formed in a synchronised manner. The invention also relates to a method for operating a transmission, and to a method for operating a double clutch transmission.

IPC 8 full level
F16H 61/688 (2006.01); **F16H 3/00** (2006.01); **F16H 3/091** (2006.01); **F16H 61/04** (2006.01)

CPC (source: CN EP US)
F16H 3/006 (2013.01 - CN EP US); **F16H 3/0915** (2013.01 - CN EP US); **F16H 3/093** (2013.01 - US); **F16H 61/688** (2013.01 - CN EP US); **F16H 2003/0807** (2013.01 - CN EP US); **F16H 2003/0811** (2013.01 - CN EP US); **F16H 2003/0933** (2013.01 - US); **F16H 2061/0407** (2013.01 - CN EP US); **F16H 2061/0429** (2013.01 - CN EP US); **F16H 2200/0052** (2013.01 - CN EP US); **F16H 2200/0086** (2013.01 - CN EP US)

Citation (search report)
See references of WO 2015180903A1

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)
DE 102014209970 A1 20151126; **DE 102014209970 B4 20220630**; CN 106415064 A 20170215; CN 106415064 B 20190409; EP 3149364 A1 20170405; US 10871203 B2 20201222; US 2017152916 A1 20170601; WO 2015180903 A1 20151203

DOCDB simple family (application)
DE 102014209970 A 20140526; CN 201580026660 A 20150427; EP 15717912 A 20150427; EP 2015059003 W 20150427; US 201515310141 A 20150427