

Title (en)
CLUTCH DEVICE FOR A DRIVE TRAIN OF A VEHICLE

Title (de)
KUPPLUNGSEINRICHTUNG FÜR EINEN ANTRIEBSSTRANG EINES FAHRZEUGES

Title (fr)
DISPOSITIF DE COUPLAGE POUR UNE CHAÎNE CINÉMATIQUE D'UN VÉHICULE

Publication
EP 3491262 A1 20190605 (DE)

Application
EP 17749356 A 20170718

Priority
• DE 102016213657 A 20160726
• DE 2017100591 W 20170718

Abstract (en)
[origin: WO2018019327A1] The invention relates to a clutch device for a drive train of a vehicle, comprising a first clutch component (2) for introducing torque and a second clutch component (5) for torque transmission, wherein the second clutch component (5) can be rotationally decoupled from the first clutch component (1), wherein first friction elements (4) of the first clutch component (2) and second friction elements (6, 16) of the second clutch component (5) can be connected in a torque-transmitting manner. In a clutch device, which has a reduced weight but also permits a sufficient self-reinforcement of the clutch, a partial self-reinforcement of the clutch device (1) can be carried out by means of a leaf spring unit (8), while a second spring unit (11, 25; 19, 20, 21, 25) exerts a static contact force.

IPC 8 full level
F16D 13/54 (2006.01); **F16D 13/52** (2006.01); **F16D 13/56** (2006.01); **F16D 125/34** (2012.01)

CPC (source: EP US)
F16D 13/52 (2013.01 - EP US); **F16D 13/54** (2013.01 - EP US); **F16D 13/56** (2013.01 - EP US); **F16D 2125/34** (2013.01 - EP US)

Citation (search report)
See references of WO 2018019327A1

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 2018019327 A1 20180201; DE 102016213657 A1 20180201; DE 102016213657 B4 20180927; DE 112017003770 A5 20190418; EP 3491262 A1 20190605; JP 2019519741 A 20190711; US 2019203777 A1 20190704

DOCDB simple family (application)
DE 2017100591 W 20170718; DE 102016213657 A 20160726; DE 112017003770 T 20170718; EP 17749356 A 20170718; JP 2018568948 A 20170718; US 201716312321 A 20170718