

Title (en)
FRICTION CLUTCH DEVICE

Title (de)
REIBUNGSKUPPLUNGSEINRICHTUNG

Title (fr)
SYSTÈME D'EMBRAYAGE À FRICTION

Publication
EP 3137783 A2 20170308 (DE)

Application
EP 15736179 A 20150422

Priority
• DE 102014207910 A 20140428
• DE 2015200272 W 20150422

Abstract (en)
[origin: WO2015165459A2] The invention relates to a friction clutch device, in particular for a drive train of an internal-combustion-engine-driven motor vehicle, which friction clutch device has an axis of rotation, a housing, at least one first clutch plate, at least one second clutch plate, which can be displaced in relation to the at least one first clutch plate in an axially limited manner in order to actuate the friction clutch device, and an actuation device, characterized in that the actuation device has at least one lever element, which is pivotably supported on one of the clutch plates, and at least one rod element, which is articulated to the lever element at one end and to another clutch plate at the other end, in order to improve the friction clutch device structurally and/or functionally.

IPC 8 full level
F16D 23/12 (2006.01)

CPC (source: EP US)
F16D 13/40 (2013.01 - US); **F16D 23/12** (2013.01 - EP US); **F16D 2021/0684** (2013.01 - EP US); **F16D 2121/14** (2013.01 - US)

Citation (search report)
See references of WO 2015165459A2

Citation (examination)
US 2168960 A 19390808 - MORRIS DONALD W

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 2015165459 A2 20151105; WO 2015165459 A3 20151223; DE 112015002034 A5 20170302; EP 3137783 A2 20170308; JP 2017514083 A 20170601; JP 6703490 B2 20200603; US 10247258 B2 20190402; US 2017045097 A1 20170216

DOCDB simple family (application)
DE 2015200272 W 20150422; DE 112015002034 T 20150422; EP 15736179 A 20150422; JP 2016565322 A 20150422; US 201515307302 A 20150422