

Title (en)
CLUTCH SYSTEM

Title (de)
KUPPLUNGSSYSTEM

Title (fr)
SYSTÈME D'EMBAYAGE

Publication
EP 3247919 A1 20171129 (DE)

Application
EP 15707263 A 20150121

Priority
DE 2015200011 W 20150121

Abstract (en)
[origin: WO2016116085A1] The invention relates to a clutch system (1) comprising a clutch device (2) and an actuation device (3) for engaging and/or disengaging the clutch device, said clutch device having at least one counter-pressure plate (4), at least one clutch cover (7) with at least one diaphragm spring (8) pivotally mounted on a pivoting radius (17), and at least one pressure plate (5) for frictionally clamping a clutch disk (6) between the pressure plate (5) and the counter-pressure plate (4), said pressure plate being movably mounted, limited in an axial direction (A) of the clutch device by the diaphragm spring. The diaphragm spring acts upon the contact plate in an active radius which is outside the pivoting radius in the radial direction of the clutch device and can be actuated by the actuation device in an actuation radius which is inside the pivoting radius in the radial direction, with $iDP = (\text{pivoting radius} - \text{actuation radius}) / (\text{active radius} - \text{pivoting radius}) \geq 5$. The actuation device (3) has a clutch pedal (27) with a transmission ratio $3.5 \leq iP \leq 5.5$.

IPC 8 full level
F16D 13/75 (2006.01)

CPC (source: CN EP)
F16D 13/757 (2013.01 - CN EP); **F16D 25/083** (2013.01 - EP); **F16D 2300/26** (2013.01 - EP)

Citation (search report)
See references of WO 2016116085A1

Citation (examination)
EP 1659017 A1 20060524 - LUK LAMELLEN & KUPPLUNGSBAU [DE]

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