

Title (en)
CLUTCH UNIT

Title (de)
KUPPLUNGSAGGREGAT

Title (fr)
ORGANE D'EMBRAYAGE

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Application
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Abstract (en)
[origin: WO2007062616A1] The invention relates to a clutch unit which consists of at least one friction clutch comprising a pressure disk (5), which is connected to a counter-pressure disk (4) in a rotationally fixed manner, which can be drivingly connected to the output shaft of a motor but can be displaced in an axially limiting manner. The friction disk and the counter pressure disk respectively comprise a friction surface, between which the friction linings (18) of a coupling disk (19) can be tensioned. Said pressure disk is arranged in an axial manner on one side of the counter pressure disk and a lever system (11), which can be pivoted in an axial direction, is arranged on the other side of the counter pressure disk. Said lever system can be impinged upon by an actuation device (23) in order to close the clutch and can be tilted like a dual-armed lever about an annular-shaped swivel bearing (15) which is supported by the counter pressure disk or a component which is connected thereto. Said lever system is also connected to the counter pressure disk in a radially external manner via traction means (13). According to the invention, the swivel bearing is supported on an adjusting ring of an adjusting ring device in order to compensate at least the wear and tear exerted upon the friction lining of the coupling disk, which can be rotated at least in relation to the pressure disk. The clutch unit also comprises spring elements (6, 30) which are active in an axial manner on the lever system and which exert a resulting axial force onto the closure path of the clutch having a degressive force-path characteristic.

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