

Title (en)
A CLUTCH PLATE

Title (de)
KUPPLUNGSSCHEIBE

Title (fr)
PLATEAU D'EMBRAYAGE

Publication
EP 3004676 A4 20170208 (EN)

Application
EP 14807415 A 20140603

Priority
• AU 2013902009 A 20130604
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Abstract (en)
[origin: WO2014194358A1] A clutch plate (10) including a plate assembly (11, 12), a hub (20) for connection to an output shaft and a hub flange (24) which is drivable by the plate assembly (11, 12) to rotate. The hub (20) being drivable to rotate by the hub flange (24). The plate assembly (11, 12) and the hub flange (24) being coupled together by a drive arrangement, (30, 31) that permits angular displacement between the plate assembly (11, 12) and the hub flange (24) within a predetermined range. The drive arrangement (30, 31) comprises a pair of curved drive assemblies (30, 31), mounted concentrically about the hub (20) and being at least partially positioned between the first and second plates (11, 12). The drive assemblies (30 and 31) apply a biasing load against relative angular displacement between the plate assembly (11, 12) and the hub flange (24). The drive assemblies (30, 31) each include a plurality of adjacent housing segments (32), which define cavities between them and positioned in the cavities are resilient dampers (33). Angular displacement between the plate assembly (11 and 12) and the hub flange (24) in a first direction causes movement of the housing segments (32) towards each other to deform the dampers (33) and to increase the biasing load against further relative angular displacement.

IPC 8 full level
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Citation (search report)
• [X] JP S6286423 U 19870602
• [X] US 2012252588 A1 20121004 - SAEKI TOMOHIRO [JP], et al
• [XA] GB 2101707 A 19830119 - AUTOMOTIVE PRODUCTS PLC [GB]
• [XA] JP S6421234 A 19890124 - NISSAN MOTOR
• See references of WO 2014194358A1

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