

Title (en)

LIMITED SLIP DIFFERENTIAL WITH SEPARATION OF CLUTCH AND ACTUATOR

Title (de)

SCHLUPFBEGRENZTES DIFFERENTIAL MIT TRENNUNG VON KUPPLUNG UND AKTUATOR

Title (fr)

DIFFÉRENTIEL À GLISSEMENT LIMITÉ AVEC SÉPARATION DE L'EMBRAYAGE ET DE L'ACTIONNEUR

Publication

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Application

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Abstract (en)

[origin: WO2015021213A1] A differential gear mechanism constructed in accordance to one example of the present disclosure can include a differential casing. A first and a second side gear can be rotatably mounted within the differential casing. A pair of pinion gears can be mounted between the first and second side gears. Both of the pinion gears can be rotatably mounted on a cross shaft that is fixed for rotation with the differential casing. A clutch pack can include a plurality of annular plates that are interleaved between a plurality of annular friction disks. The clutch pack can be arranged on a first side of the cross shaft. An actuator assembly can comprise a piston received in a piston housing. The actuator assembly can be configured to actuate the clutch pack. The actuator assembly can be arranged on a second side of the cross shaft, opposite the first side.

IPC 8 full level

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