

Title (en)

CENTRIFUGAL CLUTCH FOR A DRIVE TRAIN OF A MOTOR VEHICLE, HAVING BRAKED CENTRIFUGAL MASSES

Title (de)

FLIEHKRAFTKUPPLUNG FÜR EINEN ANTRIEBSSTRANG EINES KRAFTFAHRZEUGS MIT GEBREMSTEN FLIEHMASSEN

Title (fr)

EMBRAYAGE CENTRIFUGE POUR UNE CHAÎNE CINÉMATIQUE D'UN VÉHICULE AUTOMOBILE, COMPRENANT DES MASSELOTTES FREINÉES

Publication

EP 3583328 A1 20191225 (DE)

Application

EP 18701661 A 20180117

Priority

- DE 102017103108 A 20170216
- DE 2018100037 W 20180117

Abstract (en)

[origin: WO2018149440A1] The invention relates to a centrifugal clutch (1) for a drive train of a motor vehicle, comprising an input part (2), an output part (3), which is arranged coaxially and rotatably in relation to the input part (2), and a friction unit (4), which can be switched in accordance with centrifugal force, the friction unit (4) comprising first friction elements (5) connected to the input part (2) for conjoint rotation and second friction elements (6) connected to the output part (3) for conjoint rotation, said friction elements being stacked in alternation in an axial direction (7) and being able to be brought into frictional engagement, in order to close the centrifugal clutch (1), by means of at least one switching device (8) which switches in accordance with centrifugal force, the at least one switching device (8) which switches in accordance with centrifugal force comprising at least one centrifugal mass (9), which can be moved from an open position (10) into a closed position (11) by a centrifugal force that occurs when the at least one switching device (8) which switches in accordance with centrifugal force rotates, wherein, during the motion of the at least one centrifugal mass from the open position (10) into the closed position (11), a first braking force is applied to the at least one centrifugal mass (9) against the direction of motion of the at least one centrifugal mass by at least one braking spring in a first motion range and a second braking force is applied to the at least one centrifugal mass against the direction of motion of the at least one centrifugal mass by the at least one braking spring in a second motion range, and the first braking force being greater than the second braking force.

IPC 8 full level

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Citation (search report)

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