Title (en)

CLUTCH DISK COMPRISING A PENDULAR ROCKING DAMPER HAVING ONLY ONE DIRECTION OF MOVEMENT BETWEEN THE FLANGE REGIONS THEREOF, AND FRICTION CLUTCH

Title (de)

KUPPLUNGSSCHEIBE MIT PENDELWIPPENDÄMPFER MIT NUR EINER BEWEGUNGSRICHTUNG ZWISCHEN SEINEN FLANSCHBEREICHEN; SOWIE REIBKUPPLUNG

Title (fr)

DISQUE D'EMBRAYAGE AVEC AMORTISSEUR PENDULAIRE À BASCULE À UN SEUL SENS DE DÉPLACEMENT ENTRE SES ZONES DE BRIDE ET EMBRAYAGE À FRICTION

Publication

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Application

EP 19713684 A 20190307

Priority

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- DE 2019100205 W 20190307

Abstract (en)

[origin: WO2019192643A1] The invention relates to a clutch disk (1) for a friction clutch of a motor vehicle, comprising an input part (4) that has a friction lining (3) and can be rotated about a rotational axis (2), an output part (5) arranged such that it can also be rotated about the rotational axis (2), and a pendular rocking damper (6) coupling the input part (4) to the output part (5), the pendular rocking damper (6) comprising two flange regions (7, 8) that can interact with the input part (4) and the output part (5) and can be rotated in relation to each other about the rotational axis (2) within a defined angular range, as well as a plurality of intermediate parts (11) that are respectively received in a pendular manner on a first flange region (7) and a second flange region (8) by means of a link mechanism (9, 10), and the link mechanisms (9, 10) are designed such that during a relative rotation of the first flange region (7) in relation to the second flange region (8), the intermediate parts (11) are respectively restrained in the movement thereof by a spring mechanism (12), the link mechanisms (9, 10) being designed and each flange region (7, 8) being actively connected to the input part (4) and the output part (5) such that both during a change in direction of action of a resulting load acting on the input part (4) from a first direction of rotation to a second direction of rotation opposing the first direction of rotation, and during a change in the direction of action from the second direction of rotation to the first direction of rotation, the two flange regions (7, 8) can be moved in relation to each other in a single fixed direction of movement. The invention also relates to a friction clutch comprising said clutch disk (1).

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2019192643A1

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DOCDB simple family (publication)

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