Title (en)

CLUTCH DISC WITH A PENDULUM ROCKER DAMPER WHICH HAS A FRICTION DEVICE, AND FRICTION CLUTCH

Title (de)

KUPPLUNGSSCHEIBE MIT REIBEINRICHTUNG AUFWEISENDEM PENDELWIPPENDÄMPFER; SOWIE REIBKUPPLUNG

Title (fr)

POULIE D'EMBRAYAGE À AMORTISSEUR À BASCULE PENDULAIRE COMPORTANT UN ÉQUIPEMENT DE FRICTION ; ET EMBRAYAGE À FRICTION

Publication

EP 3775606 A1 20210217 (DE)

Application

EP 19713349 A 20190308

Priority

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Abstract (en)

[origin: WO2019192645A1] The invention relates to a clutch disc (1) for a friction clutch of a motor vehicle, comprising an input part (4) which rotates about a rotational axis (2) and has a friction lining (3), an output part (5) which likewise rotates about the rotational axis (2), and a pendulum rocker damper (6) which couples the input part (4) to the output part (5). The pendulum rocker damper (6) additionally has a first flange region (7) which is connected to the input part (4), a second flange region (8) which can be rotated about the rotational axis (2) relative to the first flange region (7) in a limited angular range and which is connected to the output part (5), and two intermediate parts (11a, 11b), each of which is connected to the two flange regions (7, 8) in a movement-coupled manner via a slotted guide device (9, 10). A spring unit (12) interacts with the slotted guide devices (9, 10) such that a movement of the intermediate parts (11a, 11b) relative to each other in the event of a rotation of the flange regions (7, 8) relative to each other is blocked by the spring unit (12). A friction device (13) is arranged within or outside of a spring element (14) of the spring unit (12) and operates such that a higher frictional force which blocks the relative movement of the intermediate parts (11a, 11b) is generated by the friction device (13) in a first relative movement range of the intermediate parts (11a, 11b) than in a second relative movement range of the intermediate parts (11a, 11b), said second movement range being offset to the first movement range. The invention additionally relates to a friction clutch comprising said clutch disc (1).

IPC 8 full level

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Citation (search report)

See references of WO 2019192645A1

Cited by

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DOCDB simple family (publication)

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