

Title (en)

TORSIONAL VIBRATION DAMPER, CLUTCH DISC, AND CLUTCH

Title (de)

TORSIONSSCHWINGUNGSDÄMPFER, KUPPLUNGSSCHEIBE UND KUPPLUNG

Title (fr)

AMORTISSEUR DE VIBRATIONS DE TORSION, DISQUE D'EMBRAYAGE ET EMBRAYAGE

Publication

EP 3775611 A1 20210217 (DE)

Application

EP 19717422 A 20190329

Priority

- DE 102018108441 A 20180410
- DE 2019100296 W 20190329

Abstract (en)

[origin: WO2019196984A1] The invention relates to a torsional vibration damper (1), in particular for a clutch disc within a powertrain of a motor vehicle, comprising an input part (2) which is mounted about a rotational axis (d) and an output part which can rotate about the rotational axis (d) to a limited degree relative to the input part (2) against the effect of a spring device (8), comprising at least two torque-transmitting intermediate elements (3) which are arranged between the input part (2) and the output part (19) and which are arranged so as to be forcibly moved in a radial direction by means of cam mechanisms (4, 5) in the event of a relative rotation between the input part (2) and the output part (10). The spring device (8) is arranged between the at least two intermediate elements (3). The invention is characterized in that each intermediate element (3) is designed in two parts.

IPC 8 full level

F16F 15/12 (2006.01); **F16F 15/121** (2006.01)

CPC (source: EP KR US)

F16F 15/1204 (2013.01 - EP KR US); **F16F 15/121** (2013.01 - EP KR US); **F16F 2222/04** (2013.01 - US); **F16F 2230/0064** (2013.01 - EP KR US); **F16F 2232/02** (2013.01 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102018108441 A1 20191010; CN 111989507 A 20201124; CN 111989507 B 20230714; DE 112019001882 A5 20201231; EP 3775611 A1 20210217; JP 2021517618 A 20210726; JP 7114730 B2 20220808; KR 20200140269 A 20201215; US 12000453 B2 20240604; US 2021108702 A1 20210415; WO 2019196984 A1 20191017

DOCDB simple family (application)

DE 102018108441 A 20180410; CN 201980024195 A 20190329; DE 112019001882 T 20190329; DE 2019100296 W 20190329; EP 19717422 A 20190329; JP 2020553511 A 20190329; KR 20207028414 A 20190329; US 201917044848 A 20190329