

Title (en)

TORSIONAL VIBRATION DAMPER HAVING A TORQUE LIMITING DEVICE

Title (de)

DREHSCHWINGUNGSDÄMPFER MIT DREHMOMENTBEGRENZUNGSEINRICHTUNG

Title (fr)

AMORTISSEUR DE VIBRATIONS DE TORSION DOTÉ D'UN DISPOSITIF DE LIMITATION DE COUPLE

Publication

EP 4093990 A1 20221130 (DE)

Application

EP 20820326 A 20201124

Priority

- DE 102020101129 A 20200120
- DE 2020100992 W 20201124

Abstract (en)

[origin: WO2021148067A1] The invention relates to a torsional vibration damper (1) comprising an input part (2) accommodated on an internal combustion engine by means of securing screws and such that it can rotate about an axis of rotation (d), and an output part (3) arranged opposite the input part and such that it can rotate about the axis of rotation (d) and such that it is limited in relation to the effect of a spring device (4), and having access openings (46) arranged on an output hub (7) for screwing the securing screws (14), as well as having a torque limiting device (5) connected downstream of the spring device (4) on the output side. In order to be able to remove the torsional vibration damper from the crankshaft without an additional tool, despite an optionally triggered torque limiting device (5), an axially detachably toothing (40) that is axially pretensioned by a pretensioning means (41) is provided between the torque limiting device (5) and the output hub (7).

IPC 8 full level

F16F 15/131 (2006.01); **F16F 15/139** (2006.01)

CPC (source: EP)

F16F 15/13142 (2013.01); **F16F 15/1397** (2013.01); **F16F 15/145** (2013.01); **F16F 2230/46** (2013.01)

Citation (search report)

See references of WO 2021148067A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

DE 102020101129 A1 20210722; CN 114761703 A 20220715; DE 112020006571 A5 20221229; EP 4093990 A1 20221130; WO 2021148067 A1 20210729

DOCDB simple family (application)

DE 102020101129 A 20200120; CN 202080083787 A 20201124; DE 112020006571 T 20201124; DE 2020100992 W 20201124; EP 20820326 A 20201124