

Title (en)  
TORSIONAL VIBRATION DAMPER

Title (de)  
DREHSCHWINGUNGSDÄMPFER

Title (fr)  
AMORTISSEUR DE VIBRATIONS DE TORSION

Publication  
**EP 3775612 A1 20210217 (DE)**

Application  
**EP 19702522 A 20190116**

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• DE 102018108404 A 20180410  
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Abstract (en)  
[origin: WO2019196970A1] The invention relates to a torsional vibration damper (10) for damping torsional vibrations in a drive train of a motor vehicle, comprising: a primary mass (12) for introducing a torque, the primary mass (12) having a flywheel (28) that can be connected to an input shaft; a secondary mass (16) which can be rotated to a limited degree relative to the primary mass (12) for outputting a torque; an energy storage element (14) which can engage on the primary mass (12) and on the secondary mass (16); and a centrifugal force pendulum (26) connected to the secondary mass (16) for providing a return torque directed against a rotational irregularity, the centrifugal force pendulum (26) being arranged in an axial direction between the flywheel (28) of the primary mass (12) and the energy storage element (14). By arranging the centrifugal force pendulum (26) between the flywheel (28) of the primary mass (12) and the energy storage element (14), installation space that would otherwise be free can be used radially outwardly for improved vibration damping behaviour, while radially inwardly, an increase in the axial need for installation space is avoided and therefore good damping in a drive train is made possible with little installation space required.

IPC 8 full level  
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