

Title (en)
TORSIONAL VIBRATION DAMPER

Title (de)
DREHSCHWINGUNGSDÄMPFER

Title (fr)
AMORTISSEUR DE VIBRATIONS DE TORSION

Publication
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Application
EP 19714985 A 20190318

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Abstract (en)
[origin: WO2019196978A1] The invention relates to a torsional vibration damper (10) comprising an input part (12) for introducing a torque, two intermediate elements (16), wherein the intermediate elements (16) are coupled to the input part (12) such that a relative rotation between the input part (12) and the intermediate elements (16) can be converted into a linear movement of the intermediate elements (16) towards each other and/or away from each other, at least one energy storage element (18) which engages the intermediate elements (16), an output part (22) for discharging a vibration-damped torque, said output part (22) being coupled to the intermediate elements (16) such that a relative linear movement between the intermediate elements (16) can be converted into a rotational movement of the output part (22) relative to the intermediate elements (16), and at least one frictional element (30) for damping under the effect of friction, said frictional element (30) being pressed against the intermediate element (16) or the output part (22) and/or being movement-coupled to the intermediate element (16) or the output part (22). The frictional element (30) can use the relative movement between the intermediate elements (16) and the output part (22) in order to provide a damping under the effect of friction which is individually adjusted depending on the movement coupling of the output part (22) to the intermediate elements (16) such that a high degree of torsional vibration damping is facilitated in the powertrain of a motor vehicle.

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