

Title (en)
TORSIONAL VIBRATION DAMPER WITH ABSORBER SYSTEM WHICH CAN BE COUPLED, AND POWERTRAIN COMPRISING TORSIONAL VIBRATION DAMPER

Title (de)
TORSIONSSCHWINGUNGSDÄMPFER MIT KOPPELBAREM TILGERSYSTEM, SOWIE ANTRIEBSSTRANG MIT TORSIONSSCHWINGUNGSDÄMPFER

Title (fr)
AMORTISSEUR DE VIBRATIONS DE TORSION AVEC SYSTÈME AMORTISSEUR POUVANT ÊTRE ACCOUPLÉ, ET GROUPE MOTOPROPULSEUR COMPRENANT UN AMORTISSEUR DE VIBRATIONS DE TORSION

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Abstract (en)
[origin: WO2021213569A1] The invention relates to a torsional vibration damper (1) for damping rotational irregularities of a drivable shaft (2) which can be driven by an internal combustion engine, comprising a damping device (3), which has a primary side (5) that is provided for receiving a torque and a secondary side (6) that is provided for transferring the torque to an output shaft (4) in the torque flow from the shaft (2) to the output shaft (4), and an absorber system (8) which can be coupled to the damping device (3) via a coupling assembly (7). The coupling assembly (7) produces an at least partly operative connection between the absorber system (8) and the damping device (3) in a first switch position and releases said operative connection in a second switch position, and the absorber system (8) is supported against the secondary side (6) of the damping device (3). The invention also relates to a powertrain (11) for an internal combustion engine-driven motor vehicle in order to transmit a torque from a crankshaft (2) connected to a drive source to an output shaft (13), comprising a torsional vibration damper according to the invention which is arranged between the crankshaft (2) and the output shaft (13) in the torque flow.

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