Title (en)
TORSIONAL VIBRATION DAMPER

Title (de)
DREHSCHWINGUNGSTILGER

Title (fr)
AMORTISSEUR DE VIBRATIONS TORSIONNELLES

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Application
EP 11707083 A 20110221

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Abstract (en)
[origin: WO2011103992A1] The invention relates to a torsional vibration damper (10) for damping torsional vibrations of a shaft, in particular for industrial applications, comprising a damper hub (16) having a rotational axis (M), a damper mass (12) coaxial with the damper hub (16), and at least one elastomeric damping layer (28) arranged between the damper hub (16) and the damper mass (12). According to the invention, the damper hub (16) and the damper mass (12) are designed in such a way that an outer circumferential surface (26) of the damper hub (16) engages with an inner circumferential surface (32) of the damper mass (12) in a star-shaped manner in the radial direction with respect to the rotational axis (M), wherein the damper hub (16) and the damper mass (12) are supported against each other in the direction of the rotational axis (M) of the torsional vibration damper (10) by means of the elastomeric damping layer (28).

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