Title (en)

TORSIONAL VIBRATION DAMPER

Title (de)

DREHSCHWINGUNGSDÄMPFER

Title (fr)

AMORTISSEUR DE VIBRATIONS DE TORSION

Publication

EP 3247921 A1 20171129 (DE)

Application

EP 15828641 A 20151210

Priority

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Abstract (en)

[origin: WO2016116087A1] The invention relates to a torsional vibration damper (1), comprising an input-side primary centrifugal mass (2) and an output-side secondary centrifugal mass (3), which are supported against each other in such a way that the primary and secondary centrifugal masses can rotate in relation to each other, wherein an intermediate element (15) is provided, which is arranged substantially between the primary centrifugal mass and the secondary centrifugal mass axially, and comprising a spring damper device (16), which transmits a torque between the primary centrifugal mass and the intermediate part, wherein torque branching is provided, from the primary centrifugal mass to the secondary centrifugal mass and from the primary centrifugal mass via the intermediate part to the secondary centrifugal mass, wherein the torque branching is designed as a planetary gearing, comprising a planet carrier (21), which is formed by the secondary centrifugal mass, a ring gear (22), which is formed by the intermediate part, and a sun gear (23), which is formed by the primary centrifugal mass, wherein planet gears, which mesh with both the ring gear and the sun gear, are rotatably attached to the planet carrier.

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