

Title (en)

TORSIONAL VIBRATION DAMPING ARRANGEMENT FOR THE DRIVE TRAIN OF A VEHICLE

Title (de)

DREHSCHWINGUNGSDÄMPFUNGSANORDNUNG FÜR DEN ANTRIEBSSTRANG EINES FAHRZEUGS

Title (fr)

ENSEMBLE D'AMORTISSEMENT DE VIBRATIONS TORSIONNELLES POUR LA CHAÎNE CINÉMATIQUE D'UN VÉHICULE

Publication

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Application

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Abstract (en)

[origin: WO2014117978A1] The invention relates to a torsional vibration damping arrangement (10) for the drive train of a vehicle, comprising an inlet region (50) to be actuated for rotation about an axis of rotation A, and an outlet region (55), and comprising a first torque transmission path (47) and a second torque transmission path (48) parallel thereto, which emanate from the inlet region, and having a coupling arrangement (41), which is in connection with the outlet region for superimposing the torque moments transmitted by way of the two torque transmission paths. The invention further comprises a phase-shifting arrangement (43) for the first torque transmission path for generating a phase shift of rotational nonuniformities transmitted by way of the first torque transmission path with respect to rotational nonuniformities transmitted by way of the second torque transmission path. The outlet region thereby comprises a planetary wheel carrier (8), to which a planetary wheel (46) is rotatably mounted, and wherein the planetary wheel carrier is connected to the output region in a rotationally fixed manner.

IPC 8 full level

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