Title (en)

TORSION DAMPING ARRANGEMENT FOR THE POWERTRAIN IN A VEHICLE

Title (de)

DREHSCHWINGUNGSDÄMPFUNGSANORDNUNG FÜR DEN ANTRIEBSSTRANG EINES FAHRZEUGS

Title (fr)

SYSTÈME D'AMORTISSEMENT DES VIBRATIONS TORSIONNELLES POUR LA CHAÎNE CINÉMATIQUE D'UN VÉHICULE

Publication

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Application

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Abstract (en)

[origin: WO2016012169A1] Torsion damping arrangement (10) for the drivetrain of a motor vehicle, comprising an input region (50) which can be driven for rotation about a rotational axis (A), and an output region (55), and a coupling arrangement (41) which is connected to the output region (55), and a phase shift arrangement (43) which is connected to the input region (50), and a torque transmission path (46) for transmitting a total torque (Ttot) which runs between the input region (50) and the output region (55), wherein the torque transmission path (46) from the input region (50) as far as the coupling arrangement (41) is divided into a first torque transmission path (47) and into a parallel second torque transmission path (48) which is combined again at the coupling arrangement (41), and wherein an input torsion (ITo) is divided into two torsion components (ToA1, ToA2) as a result of being forwarded via the first and via the second torque transmission path (47; 48) and being superimposed destructively at the coupling arrangement (41) to form an output torsion (OTo), in order as a result to obtain an output torsion (OTo) which is minimized with respect to the input torsion (ITo) at an output element (85) of the coupling arrangement (41), wherein the planetary gear carrier (9) is configured as a modular kit planetary carrier element (95) and comprises at least one first connecting region (31) radially outside a fastening means of the planetary gear pin (11) to the planetary gear carrier (9), by way of which the modular kit planetary carrier element (95) is connected fixedly to the primary mass (1) so as to rotate with it.

IPC 8 full level

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CPC (source: CN EP US)

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Citation (search report)

See references of WO 2016012169A1

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