

Title (en)

VEHICLE DRIVELINE INCLUDING CLUTCHES

Title (de)

FAHRZEUG-ANTRIEBSSTRANG MIT KUPPLUNGEN

Title (fr)

CHAÎNE CINÉMATIQUE DE VÉHICULE À EMBRAYAGES

Publication

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Application

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Abstract (en)

[origin: WO2010128276A1] A torsional vibration damping arrangement for a vehicle driveline (10) having a transmission (13) driven by an engine (12) via a drive clutch (11). The arrangement includes a clutch actuator (15) for engaging/disengaging the clutch and an electronic control unit (16) which receives vehicle and clutch operating parameter signals and issues control signals for the engagement/disengagement of the clutch via the clutch actuator (15) during starting and stopping of the vehicle and during ratio changes in the transmission. The electronic control unit (16) is also arranged to control the level of engagement of the clutch to damp lower engine speed torsional vibrations in the drive line by allowing the clutch to slip, and the clutch includes torsional spring damping means (53) to damp higher engine speed torsional vibrations in the driveline. The electronic control unit (16) allows the clutch to slip in order to avoid exciting one or more natural frequencies of an associated driveline of the vehicle.

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Citation (search report)

See references of WO 2010128276A1

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