

Title (en)

Method for avoiding jolts during accelerations of motor vehicles

Title (de)

Verfahren zur Vermeidung von Ruckelschwingungen beim Beschleunigen von Kraftfahrzeugen

Title (fr)

Procédé pour éviter les à-coups lors d'accélération de véhicules à moteur

Publication

EP 0953752 A3 20010418 (DE)

Application

EP 99105534 A 19990318

Priority

DE 19819050 A 19980429

Abstract (en)

[origin: DE19819050C1] On accelerating, engine torque follows a preordained profile between a lower value (Mu) and an upper value (Mo). Near the lower value, the torque profile passes through a local maximum or peak (Mmax). Between this value and the upper value, there is a local minimum (Mmin). The propeller shaft is subjected to a momentary peak torque. Though the engine torque is then reduced, it remains in the shaft as a result of inertia. The engine then exerts the upper value of torque.

IPC 1-7

F02D 41/10; **F02D 41/14**

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [X] EP 0449160 A2 19911002 - NIPPON DENSO CO [JP]
- [X] DE 19534633 A1 19961205 - BOSCH GMBH ROBERT [DE]
- [DA] DE 3738719 A1 19880728 - VOLKSWAGEN AG [DE]
- [A] EP 0250873 A2 19880107 - HELLA KG HUECK & CO [DE]

Cited by

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