

Title (en)

METHOD FOR PROTECTING VEHICLE GEARBOXES, IN PARTICULAR HYDROSTATIC-MECHANICAL TORQUE DIVISION GEARBOXES AGAINST OVERLOADS

Title (de)

VERFAHREN ZUM SCHUTZ VON FAHRZEUGGETRIEBEN, INSBESONDERE VON HYDROSTATISCH-MECHANISCHEN LEISTUNGSVERZWEIGUNGSGETRIEBEN VOR ÜBERBELASTUNG

Title (fr)

PROCEDE DE PROTECTION CONTRE DES SURCHARGES DE BOITES DE VITESSES DE VEHICULES, EN PARTICULIER DE BOITES DE VITESSES HYDROSTATIQUE-MECANIQUES A DERIVATION DE PUISSANCE

Publication

EP 1789297 A1 20070530 (DE)

Application

EP 05762367 A 20050720

Priority

- EP 2005007891 W 20050720
- DE 102004043346 A 20040908

Abstract (en)

[origin: WO2006027045A1] The invention relates to a method for protecting vehicle gearboxes, in particular hydrostatic-mechanical torque division gearboxes against overloads consisting in calculating a gearbox loading by a gear controller and in limiting the engine power on the basis of the thus calculated loading when a damage of the gearbox can be expected or when the gearbox load exceeds a threshold value.

IPC 8 full level

B60W 10/06 (2006.01); **B60W 10/10** (2006.01); **B60W 30/18** (2006.01); **B60W 50/02** (2012.01); **F16H 61/40** (2006.01); **F16H 61/46** (2010.01); **F16H 61/478** (2010.01)

CPC (source: EP)

B60W 10/06 (2013.01); **B60W 10/103** (2013.01); **B60W 30/1846** (2013.01); **B60W 50/038** (2013.01); **F16H 61/478** (2013.01); **B60W 2050/0006** (2013.01); **F16H 61/46** (2013.01)

Citation (search report)

See references of WO 2006027045A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102004043346 A1 20060309; EP 1789297 A1 20070530; WO 2006027045 A1 20060316

DOCDB simple family (application)

DE 102004043346 A 20040908; EP 05762367 A 20050720; EP 2005007891 W 20050720