

Title (en)

DAMPING MASS FOR INCREASED GEAR SHIFTING COMFORT

Title (de)

DÄMPFUNGSMASS FÜR BEQUEMERE GANGSCHALTUNG

Title (fr)

MASSE D'AMORTISSEMENT PERMETTANT D'AMELIORER LE CONFORT DU CHANGEMENT DE VITESSES

Publication

**EP 1792108 A1 20070606 (EN)**

Application

**EP 05776364 A 20050830**

Priority

- SE 2005001252 W 20050830
- SE 0402150 A 20040907

Abstract (en)

[origin: WO2006041347A1] A damping mass (25) for increased gear shifting comfort, fixedly disposed on a control shaft (24) of a motor vehicle gearbox. The control shaft (24) is coupled to at least one gear shift fork disposed in the gearbox and to a gear shift lever for manual selection of a gear in the gearbox. In the damping mass (25) , a cavity (28) extends substantially along a predetermined radius at a distance from the geometrical center (29) of the control shaft. The cavity is filled with a fluid (30) with predetermined viscosity. A body (23) having a certain predetermined weight is designed to move preferably along said radius in the cavity (28) , with a view to maintaining good gear shifting comfort accompanied by a reduction in torque stress over the control shaft (24).

IPC 8 full level

**F16H 61/24** (2006.01); **B60K 20/02** (2006.01)

IPC 8 main group level

**F16H** (2006.01)

CPC (source: EP)

**F16H 61/24** (2013.01); **F16H 2061/246** (2013.01)

Citation (search report)

See references of WO 2006041347A1

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)

**WO 2006041347 A1 20060420**; EP 1792108 A1 20070606; SE 0402150 D0 20040907; SE 0402150 L 20060308; SE 527630 C2 20060425

DOCDB simple family (application)

**SE 2005001252 W 20050830**; EP 05776364 A 20050830; SE 0402150 A 20040907