

Title (en)

GEARBOX SIMULATION TEST BENCH

Title (de)

GETRIEBESIMULATIONS-PRÜFTISCH

Title (fr)

BANC D'ESSAI SIMULANT UNE BOITE DE VITESSES

Publication

**EP 1877750 A1 20080116 (FR)**

Application

**EP 06726237 A 20060310**

Priority

- FR 2006050213 W 20060310
- FR 0502491 A 20050314

Abstract (en)

[origin: WO2006097655A1] The invention relates to a test bench that reproduces the performance of a gearbox. The invention consists of: at least one gearshift module (2) comprising a linear motor (12) and a ball joint (14) that can be used to convert a linear motion of the motor (12) into a rotational motion of a gearshift shaft (5) and a force sensor (17) that can be used to measure the force applied to the gearshift shaft (5). In particular embodiments of the invention, the test bench also comprises a vertical linear selection module or a horizontal selection module. The modules employed can be used to simulate forces as a function of the shift and selection position in a manner that is representative of a gearbox.

IPC 8 full level

**G01M 13/02** (2006.01)

CPC (source: EP US)

**G01M 13/02** (2013.01 - EP US); **G01M 17/0074** (2013.01 - EP US)

Citation (search report)

See references of WO 2006097655A1

Cited by

EP2131176A1

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)

**FR 2883069 A1 20060915**; CN 100580410 C 20100113; CN 101142471 A 20080312; EP 1877750 A1 20080116; JP 2008532848 A 20080821; US 2008281567 A1 20081113; US 7644630 B2 20100112; WO 2006097655 A1 20060921

DOCDB simple family (application)

**FR 0502491 A 20050314**; CN 200680008206 A 20060310; EP 06726237 A 20060310; FR 2006050213 W 20060310; JP 2008501382 A 20060310; US 90842106 A 20060310