

Title (en)

TRAVEL-TRANSMITTING ELEMENT FOR AN INJECTION VALVE

Title (de)

HUBÜBERTRAGUNGSELEMENT FÜR EIN EINSPRITZVENTIL

Title (fr)

ELEMENT DE TRANSMISSION DE COURSE POUR UNE SOUPAPE D'INJECTION

Publication

EP 1511933 B1 20071205 (DE)

Application

EP 03756965 A 20030603

Priority

- DE 0301859 W 20030603
- DE 10225686 A 20020610

Abstract (en)

[origin: WO03104639A1] Disclosed is a travel-transmitting element for an injection valve, comprising a pressure-loaded storage chamber (15) which is filled with a hydraulic fluid and a storage element (17) that is provided with an elastomeric bellows-type member (19). In order to ensure sufficient steadiness of the rotational speed over the service life, the inventive elastomeric bellows-type member (19) is provided with a stiffening element (27) which ensures constant radial stiffness over the service life at least in some sections thereof.

IPC 8 full level

F02M 61/16 (2006.01); **F02M 51/06** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP US)

F02M 51/0603 (2013.01 - EP US); **F02M 61/166** (2013.01 - EP US); **F02M 61/167** (2013.01 - EP US); **F02M 2200/704** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 03104639 A1 20031218; DE 10225686 A1 20040108; DE 10225686 B4 20050804; DE 50308732 D1 20080117; EP 1511933 A1 20050309; EP 1511933 B1 20071205; JP 2005529278 A 20050929; JP 4273072 B2 20090603; US 2005140072 A1 20050630; US 7100895 B2 20060905

DOCDB simple family (application)

DE 0301859 W 20030603; DE 10225686 A 20020610; DE 50308732 T 20030603; EP 03756965 A 20030603; JP 2004511685 A 20030603; US 845504 A 20041209