

Title (en)

Fuel injection valve

Title (de)

Brennstoffeinspritzventil

Title (fr)

Injecteur de carburant

Publication

**EP 1544454 B1 20070124 (DE)**

Application

**EP 04105054 A 20041014**

Priority

DE 10358723 A 20031215

Abstract (en)

[origin: EP1544454A1] An actuator (2) has an active link with a valve-closing body (7) to combine with a valve seat's surface (13) to seal the seating. A coupler (3) has first (23) and second (24) coupler sections (CS). The first CS moves on-axis to lock in a recess on the second CS but keeps a gap (27) as a throttling point and forms a hydraulic volume (17). Both CS keep an active link via a hydraulic medium.

IPC 8 full level

**F02M 51/06** (2006.01); **F02M 61/08** (2006.01); **F02M 61/16** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)

**F02M 51/0603** (2013.01); **F02M 61/08** (2013.01); **F02M 61/167** (2013.01)

Cited by

WO2009059862A1; WO2011045298A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 1544454 A1 20050622**; **EP 1544454 B1 20070124**; DE 10358723 A1 20050707; DE 502004002759 D1 20070315

DOCDB simple family (application)

**EP 04105054 A 20041014**; DE 10358723 A 20031215; DE 502004002759 T 20041014