

Title (en)
INJECTION VALVE

Title (de)
EINSPRITZVENTIL

Title (fr)
INJECTEUR

Publication
EP 2864623 A1 20150429 (DE)

Application
EP 13719487 A 20130424

Priority
• DE 102012210424 A 20120620
• EP 2013058488 W 20130424

Abstract (en)
[origin: WO2013189639A1] The present invention relates to an injection valve (1), particularly for injecting fuel into a combustion chamber, comprising a housing (2) with at least one injection opening (3), an armature assembly (11) linearly movable along a longitudinal axis (6) in the housing (2), a magnetic coil (26) acting magnetically on the armature assembly (11), a valve element (7) linearly movable with respect to the armature assembly (11) and the housing (2) in order to open and close the injection opening (3), and a pin (19) for limiting the movement of the valve element (7) with respect to the armature assembly (11).

IPC 8 full level
F02M 51/06 (2006.01); **F02M 61/20** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP US)
F02M 51/0625 (2013.01 - US); **F02M 51/0685** (2013.01 - EP US); **F02M 61/20** (2013.01 - EP US); **F02M 63/0075** (2013.01 - EP US);
F02M 2200/304 (2013.01 - EP US)

Citation (search report)
See references of WO 2013189639A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102012210424 A1 20131224; EP 2864623 A1 20150429; EP 2864623 B1 20190619; JP 2015519512 A 20150709; JP 6028095 B2 20161116;
US 2015176553 A1 20150625; US 9394869 B2 20160719; WO 2013189639 A1 20131227

DOCDB simple family (application)
DE 102012210424 A 20120620; EP 13719487 A 20130424; EP 2013058488 W 20130424; JP 2015516519 A 20130424;
US 201314409587 A 20130424