

Title (en)
Valve for injecting fuel

Title (de)
Ventil zum Einspritzen von Kraftstoff

Title (fr)
Soupape d'injection de carburant

Publication
EP 2765303 B1 20161221 (DE)

Application
EP 14151539 A 20140117

Priority
DE 102013202139 A 20130208

Abstract (en)
[origin: EP2765303A1] The valve (1) has a cross section extended from entrance side to exit side in a flow direction. An injection hole (2) includes an inlet region, an outlet region and an intermediate region. The intermediate region is arranged between the inlet region and the outlet region in the flow direction. Length of the intermediate region is shorter than length of the inlet region and length of the outlet region in an axial direction, where the length of the intermediate region is in range from 40- 80 mm. The injection hole is formed in a spray disk.

IPC 8 full level
F02M 61/18 (2006.01); **F02M 51/06** (2006.01)

CPC (source: EP)
F02M 51/061 (2013.01); **F02M 61/1833** (2013.01); **F02M 61/1846** (2013.01); **F02M 51/0671** (2013.01)

Cited by
CN107178449A; EP3002449A1; US9605637B2; WO2016102239A1; WO2016102240A1

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

DOCDB simple family (publication)
EP 2765303 A1 20140813; EP 2765303 B1 20161221; DE 102013202139 A1 20140814; JP 2014152780 A 20140825; JP 6444599 B2 20181226

DOCDB simple family (application)
EP 14151539 A 20140117; DE 102013202139 A 20130208; JP 2014019880 A 20140205