

Title (en)
VALVE FOR INJECTING GAS

Title (de)
VENTIL ZUM EINBLASEN VON GAS

Title (fr)
SOUPAPE D'INJECTION DE GAZ

Publication
EP 2938873 A1 20151104 (DE)

Application
EP 14708011 A 20140304

Priority
• DE 102013205624 A 20130328
• EP 2014054153 W 20140304

Abstract (en)
[origin: WO2014154451A1] The invention relates to a valve (200) for injecting gaseous fuels for an internal combustion engine (10), having a housing (201) which, with regard to its longitudinal extent (A-A), has an inflow section (203) and an outflow section (204) for the gaseous fuel and has a drive section (202) situated between the inflow section (203) and the outflow section (204), wherein a first control element (209) is provided which is assigned to the inflow section (203) and which enables or prevents the supply of the gaseous fuel in a manner dependent on a switching position of the first control element (209). A second control element (210) is provided which is assigned to the outflow section (204) and which enables or prevents the discharge of the gaseous fuel in a manner dependent on a switching position of the second control element (210). An actuating drive (206) is provided which is arranged in the drive section (202) and which is coupled to both control elements (209, 210) such that the control elements (209, 210) can be moved into an open position independently of one another.

IPC 8 full level
F02M 21/02 (2006.01)

CPC (source: EP US)
F02M 21/0242 (2013.01 - EP); **F02M 21/0254** (2013.01 - EP US); **F02M 21/0269** (2013.01 - EP US); **F02M 55/025** (2013.01 - US); **F02M 63/0017** (2013.01 - US); **F02M 63/0059** (2013.01 - US); **F02M 21/0275** (2013.01 - EP US); **Y02T 10/30** (2013.01 - EP US)

Citation (search report)
See references of WO 2014154451A1

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 102013205624 A1 20141002; **DE 102013205624 B4 20150709**; CN 105008704 A 20151028; CN 105008704 B 20180601; EP 2938873 A1 20151104; JP 2016513205 A 20160512; JP 6038353 B2 20161207; KR 101719812 B1 20170324; KR 20150119424 A 20151023; US 2016053734 A1 20160225; US 9777689 B2 20171003; WO 2014154451 A1 20141002

DOCDB simple family (application)
DE 102013205624 A 20130328; CN 201480011501 A 20140304; EP 14708011 A 20140304; EP 2014054153 W 20140304; JP 2015556542 A 20140304; KR 20157025837 A 20140304; US 201414780784 A 20140304