

Title (en)
VALVE DEVICE, SYSTEM AND USE THEREOF FOR INJECTING GASEOUS FUEL

Title (de)
VENTILEINRICHTUNG, SYSTEM UND VERWENDUNG ZUR EINBLASUNG VON GASFÖRMIGEM KRAFTSTOFF

Title (fr)
DISPOSITIF SOUPAPE, SYSTÈME COMPRENANT CE DERNIER ET SON UTILISATION POUR INJECTER DU CARBURANT SOUS FORME GAZEUSE

Publication
EP 2893180 A1 20150715 (DE)

Application
EP 13745578 A 20130718

Priority
• DE 102012017443 A 20120904
• EP 2013002131 W 20130718

Abstract (en)
[origin: WO2014037068A1] The invention relates to a valve device (1) designed as an annular auxiliary adapter for injecting gaseous fuel, an injection device (5) or ignition device (105) extending through the valve device and a cylinder head bore in the combustion chamber (9) of an internal combustion engine. The injection is carried out by means of an annular chamber (2) between the bore wall and the device arranged therein.

IPC 8 full level
F02M 21/02 (2006.01); **F02D 19/08** (2006.01); **F02P 13/00** (2006.01)

CPC (source: EP)
F02D 19/0689 (2013.01); **F02D 19/0694** (2013.01); **F02D 19/10** (2013.01); **F02M 21/0254** (2013.01); **F02M 21/0257** (2013.01); **F02M 21/0275** (2013.01); **F02M 43/04** (2013.01); **F02P 13/00** (2013.01); **F01N 3/025** (2013.01); **F01N 3/035** (2013.01); **F01N 3/2026** (2013.01); **F01N 3/2053** (2013.01); **F01N 3/2066** (2013.01); **F02B 29/0406** (2013.01); **F02D 41/0025** (2013.01); **F02D 41/0027** (2013.01); **F02M 21/0281** (2013.01); **Y02T 10/30** (2013.01)

Citation (search report)
See references of WO 2014037068A1

Citation (examination)
EP 0546985 A1 19930616 - NEW SULZER DIESEL AG [CH]

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)
WO 2014037068 A1 20140313; EP 2893180 A1 20150715

DOCDB simple family (application)
EP 2013002131 W 20130718; EP 13745578 A 20130718