

Title (en)
FUNCTIONAL AIR-SUPPLY MODULE INCORPORATING AN INJECTION RAIL

Title (de)
FUNKTIONELLES LUFTZUFÜHRMODUL MIT EINER EINSPRITZVERTEILERLEISTE

Title (fr)
MODULE FONCTIONNEL D'ALIMENTATION EN AIR INTÉGRANT UNE RAMPE D'INJECTION

Publication
EP 2622201 A1 20130807 (FR)

Application
EP 11773776 A 20110926

Priority
• FR 1057843 A 20100929
• FR 2011052233 W 20110926

Abstract (en)
[origin: WO2012042159A1] The subject of the present invention is a functional module comprising, on the one hand, a mounting plate (2) for fluidtight attachment to the cylinder head of an internal combustion engine, incorporating portions (3) of air tract and, on the other hand, an injection set, which functional module (1) is characterized in that the line (5) of the injection set is provided with support and attachment legs (6') intended to rest directly on the cylinder head (7) notably at a first group of points of attachment (8) thereof, and in that the mounting plate (2) is provided, on the one hand, with primary attachment sites (9) intended to collaborate with a second group of points of attachment (8') of the cylinder head (7) and, on the other hand, with secondary attachment sites (9') corresponding to at least some of the points of attachment (8) of the first group belonging to the cylinder head (7), said secondary attachment sites (9') of the mounting plate (2) being intended to be positioned over the top of at least some of the legs (6').

IPC 8 full level
F02M 35/10 (2006.01); **F02M 55/02** (2006.01); **F02M 69/46** (2006.01); **F02M 69/50** (2006.01)

CPC (source: EP US)
F02M 35/10085 (2013.01 - EP US); **F02M 35/10216** (2013.01 - EP US); **F02M 55/025** (2013.01 - EP US); **F02M 69/465** (2013.01 - EP US); **F02M 69/50** (2013.01 - US); **F02M 2200/803** (2013.01 - EP US)

Citation (search report)
See references of WO 2012042159A1

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)
FR 2965308 A1 20120330; FR 2965308 B1 20150306; EP 2622201 A1 20130807; EP 2622201 B1 20141029; US 10473080 B2 20191112; US 2013306030 A1 20131121; WO 2012042159 A1 20120405

DOCDB simple family (application)
FR 1057843 A 20100929; EP 11773776 A 20110926; FR 2011052233 W 20110926; US 201113876026 A 20110926