

Title (en)  
DEVICE FOR SUPPLYING AIR TO A MULTIPLE-CYLINDER ENGINE HEAD

Title (de)  
VORRICHTUNG ZUR ZUFUHR VON LUFT IN EINEN MEHRZYLINDER-MOTORKOPF

Title (fr)  
DISPOSITIF D'ALIMENTATION EN AIR D'UNE CULASSE DE MOTEUR MULTICYLINDRES

Publication  
**EP 1934461 B1 20100811 (FR)**

Application  
**EP 06831263 A 20061002**

Priority  
• FR 2006050977 W 20061002  
• FR 0510292 A 20051007

Abstract (en)  
[origin: WO2007042706A1] The invention concerns a device comprising two air distribution chambers (1, 3) designed to be fixed on the cylinder head and an air distributor (19) and/or an air transfer pipe (53), the latter and the air distribution chambers comprising, in the immediate surroundings of their nozzles, for being relatively positioned and assembled together: between the air distributor (19) and one (3) of the air distribution chambers, means (17, 27, 37) for positioning and supporting for support and precise relative centering, substantially without clearance, except for possible pivoting about the axis of engagement (30), once said centering has been provided along said axis, and, between said air distributor and the other air distribution chamber (1): additional support means (29) and locating means (31). Fixing means (33) lock, at the required swivel angle and in relative support, each air distribution chamber (1, 3) and the air distributor (19).

IPC 8 full level  
**F02M 35/116** (2006.01)

CPC (source: EP KR US)  
**F02M 35/10144** (2013.01 - EP US); **F02M 35/104** (2013.01 - KR); **F02M 35/116** (2013.01 - EP KR US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**FR 2891874 A1 20070413; FR 2891874 B1 20080125**; AT E477414 T1 20100815; CN 101305179 A 20081112; CN 101305179 B 20110608; DE 602006016142 D1 20100923; EP 1934461 A1 20080625; EP 1934461 B1 20100811; JP 2009511800 A 20090319; KR 20080069986 A 20080729; US 2009301422 A1 20091210; US 8006664 B2 20110830; WO 2007042706 A1 20070419

DOCDB simple family (application)  
**FR 0510292 A 20051007**; AT 06831263 T 20061002; CN 200680041480 A 20061002; DE 602006016142 T 20061002; EP 06831263 A 20061002; FR 2006050977 W 20061002; JP 2008534055 A 20061002; KR 20087010752 A 20080502; US 8944206 A 20061002