

Title (en)

ARRANGEMENT OF AN AIR SUPPLY DEVICE ON A CYLINDER HEAD FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

ANORDNUNG EINER LUFTVERSORGUNGSEINRICHTUNG AN EINEM ZYLINDERKOPF FÜR EINE VERBRENNUNGSKRAFTMASCHINE

Title (fr)

AGENCEMENT D'UN DISPOSITIF D'ALIMENTATION EN AIR SUR UNE CULASSE POUR UN MOTEUR À COMBUSTION INTERNE

Publication

**EP 2769075 A1 20140827 (DE)**

Application

**EP 12756112 A 20120905**

Priority

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Abstract (en)

[origin: WO2013056762A1] The invention relates to an arrangement of an air supply device (10) on a cylinder head for an internal combustion engine, in particular of a motor vehicle. In said arrangement, the air supply device (10) comprises an intake system (28) for distributing air that is to be supplied to the internal combustion engine to combustion chambers of said engine and a compressor (12) for compressing the air, the compressor being fluidically connected to the intake system (28) via an air conduit element (16). The air supply device (10) that is held on the cylinder head extends above the cylinder head from the intake system (28) located on an air side (18) of the cylinder head via the air conduit element (16) to the compressor (12) located on an exhaust gas side (14) of the cylinder head and forms an intermediate area (52) that is delimited by the intake system (28), air conduit element (16) and the compressor (12), at least part of the cylinder head being located in said area.

IPC 8 full level

**F02M 35/10** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2013056762A1

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