

Title (en)

CYLINDER HEAD HOUSING, METHOD FOR PRODUCING A CYLINDER HEAD HOUSING, AND CASTING CORE

Title (de)

ZYLINDERKOPFGEHÄUSE, VERFAHREN ZUR HERSTELLUNG EINES ZYLINDERKOPFGEHÄUSES UND GIEßKERN

Title (fr)

BOÎTIER DE CULASSE, PROCÉDÉ POUR LA FABRICATION D'UN BOÎTIER DE CULASSE ET NOYAU DE COULÉE

Publication

**EP 3615783 A1 20200304 (DE)**

Application

**EP 18717361 A 20180412**

Priority

- DE 102017109185 A 20170428
- EP 2018059387 W 20180412

Abstract (en)

[origin: WO2018197228A1] The invention relates to a cylinder head housing (30) for an internal combustion engine, which internal combustion engine forms at least two cylinders arranged in-line, the cylinder head housing comprising: receiving openings for one exhaust valve each, which exhaust valves are associated with the individual cylinders of the internal combustion engine; exhaust gas channels (46), which extend from said exhaust-valve receiving openings and which are merged into an exhaust gas outlet channel (50); and cooling channels (52-74, 78, 80), which cooling channels (52-74, 78, 80) comprise a roof distribution channel (52), which is connected to injector cooling channels (56) for arranging above respective cylinders, the injector cooling channels (56) each being connected to a plurality of roof network channels (58), which extend in different radial directions with respect to a longitudinal axis of the particular injector receiving opening and which are connected directly or indirectly to at least two roof collection channels (62), which are arranged on different sides with respect to the line defined by the injector cooling channels (56), and/or comprise a manifold distribution channel (64), which extends along the line of the exhaust-valve receiving openings, the manifold distribution channel (64) being connected to a plurality of manifold network channels (66), which extend along the exhaust gas channels (46) and which are connected directly or indirectly to a manifold collection channel (68), which extends along the line of the exhaust-valve receiving openings.

IPC 8 full level

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Citation (search report)

See references of WO 2018197228A1

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