

Title (en)

AN INTERNAL-COMBUSTION ENGINE POPPET VALVE CAGE COOLED BY A CIRCULATING REFRIGERANT FLUID, ESPECIALLY FOR AN ENGINE COMPRISING TWO OUTLET VALVES PER CYLINDER, AND METHOD OF MOUNTING SUCH A CAGE

Publication

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Application

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Priority

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Abstract (en)

[origin: ES8101701A1] A valve housing for an internal combustion engine having more than one intake or exhaust valve per cylinder includes complementary upper 14 and lower 16 members, with a transverse junction plane 17 intersecting a longitudinal partition 10 which divides an annular cavity 9 between a central valve bushing and a circumferential wall of the housing into separate coolant supply and return sections 9a and 9b, respectively. An intermediate element 17 is interposed between said members and is provided with openings 19, 20 smaller angular extents than the corresponding coolant sections to provide for proper circulation of coolant between the portions of a given section (9a or 9b) of cavity 9 while permitting different angular relations between said members.

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IPC 8 full level

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