

Title (en)

Cooling structure for internal combustion engine

Title (de)

Kühlstruktur für Brennkraftmaschine

Title (fr)

Structure de refroidissement pour un moteur à combustion interne

Publication

EP 1174602 B1 20051221 (EN)

Application

EP 01117221 A 20010716

Priority

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Abstract (en)

[origin: EP1174602A2] The invention provides less expensively a cooling structure for an internal combustion engine which, despite a simple structure, can control the flow of coolant to a cylinder and a cylinder head without allowing the coolant to stay in the cylinder, according to the temperature of the coolant, and which can expect the attainment of both the effect of suppressing a drop in temperature of residual gas and an anti-knocking effect. <??>A cooling structure for an internal combustion, comprising a first coolant circulation system and a second coolant circulation system, the first coolant circulation system having a first thermostat (5) for adjusting the amount of coolant to be circulated between a radiator (10) and the internal combustion engine, the second coolant circulation system having a second thermostat (20), the second thermostat (20) making control so that the coolant circulates in parallel to a cylinder (2) and a cylinder head (3) when the temperature of the coolant is lower than a predetermined coolant temperature, while when the coolant temperature is higher than the predetermined coolant temperature, the coolant circulates in series from the cylinder (2) to the cylinder head (3). <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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