

Title (en)

Thermostatic valve for the cooling circuit of an internal combustion engine

Title (de)

Thermostatventil für den Kühlkreislauf einer Brennkraftmaschine

Title (fr)

Vanne thermostatique pour le circuit de refroidissement d'un moteur à combustion interne

Publication

EP 0767299 B1 20030730 (DE)

Application

EP 96115636 A 19960930

Priority

DE 19537068 A 19951005

Abstract (en)

[origin: EP0767299A2] The thermostatic valve has a main valve (3) and a short-circuit valve (10). The short-circuit valve is allocated an additional device (13) to increase the efficiency of the coolant flow deflected onto the expansion element (2) which regulates the main valve. A short-circuit valve controls the flow cross-section at the mouth (12) of a supply channel (11) of the short-circuit pipe (11'). The mouth has a nozzle (13) enclosing the short-circuit valve and serving as an extra device with an outlet opening (14) directed towards the expansion element.

IPC 1-7

F01P 7/16; **G05D 23/02**

IPC 8 full level

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CPC (source: EP)

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Cited by

FR2927660A1; EP2090763A1; US7096831B2; WO2004046516A1

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EP 0767299 A2 19970409; **EP 0767299 A3 19980819**; **EP 0767299 B1 20030730**; DE 19537068 A1 19970410; DE 59610625 D1 20030904; ES 2203663 T3 20040416

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