

Title (en)
COOLING DEVICE FOR AN INTERNAL-COMBUSTION ENGINE

Publication
EP 0128365 A3 19850731 (DE)

Application
EP 84105274 A 19840510

Priority
DE 3320338 A 19830604

Abstract (en)
[origin: US4537158A] Apparatus for cooling an internal combustion engine of a motor vehicle is provided having a thermostatic valve for controlling the coolant flow and having at least one fan associated with the radiator. The fan (or fans) can be operated in several output stages and the thermostatic valve can be adjusted to at least two different opening temperatures. When the thermostatic valve is adjusted to a higher opening temperature, operation of the fan in the output stage associated with a lower coolant temperature is blocked.

IPC 1-7
F01P 7/16

IPC 8 full level
F01P 7/08 (2006.01); **F01P 7/12** (2006.01); **F01P 7/16** (2006.01)

CPC (source: EP US)
F01P 7/08 (2013.01 - EP US); **F01P 7/167** (2013.01 - EP US); **F01P 2025/13** (2013.01 - EP US); **F01P 2025/40** (2013.01 - EP US); **F01P 2025/44** (2013.01 - EP US); **F01P 2025/50** (2013.01 - EP US); **F01P 2025/62** (2013.01 - EP US); **F01P 2025/64** (2013.01 - EP US)

Citation (search report)

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- [A] DE 3024209 A1 19810122 - RINNERTHALER GUENTER DR
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Cited by
DE3934201A1; DE19500648A1; US5617816A; DE19500648B4

Designated contracting state (EPC)
BE DE FR GB IT LU NL SE

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