

Title (en)

CONTROL DEVICE FOR THE COOLING AIR OF AN AIR-WATER-COOLED INTERNAL-COMBUSTION ENGINE, ESPECIALLY FOR MOTOR VEHICLES

Publication

**EP 0189575 B1 19880323 (DE)**

Application

**EP 85116060 A 19851217**

Priority

DE 3446950 A 19841221

Abstract (en)

[origin: WO8603803A1] A control device for the flow of cooling air through an air-liquid-radiator of an internal combustion engine comprises a fan frame mounted between the radiator and the fan of the radiator and being part of a noise damper of the engine. A spring curtain is arranged in the fan frame, between the radiator and the fan, and isolates the noise damper of the radiator, except when the engine reaches high operating temperatures, which prevents the radiator from absorbing power and the engine from being directly air cooled, thus reducing the prewarming time of the engine.

IPC 1-7

**F01P 7/12**; **F01P 11/10**

IPC 8 full level

**F01P 7/12** (2006.01); **F01P 11/10** (2006.01)

CPC (source: EP US)

**F01P 7/12** (2013.01 - EP US); **F01P 11/10** (2013.01 - EP US)

Cited by

FR3103519A1; FR3103518A1; CN114382582A; FR3107557A1; WO2021170926A1

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DOCDB simple family (publication)

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**DE 3446950 A 19841221**; DE 3561967 T 19851217; EP 8500713 W 19851217; EP 85116060 A 19851217; ES 550189 A 19851219; JP 50055586 A 19851217; US 90241286 A 19861001