

Title (en)

DEVICE FOR COOLING THE ENGINE OF A MOTOR VEHICLE

Title (de)

VORRICHTUNG ZUM KÜHLEN EINES MOTORS FÜR EIN KRAFTFAHRZEUG

Title (fr)

DISPOSITIF POUR REFROIDIR UN MOTEUR D'UN VEHICULE A MOTEUR

Publication

**EP 1038097 A1 20000927 (DE)**

Application

**EP 99922057 A 19990323**

Priority

- DE 9900831 W 19990323
- DE 19831901 A 19980716

Abstract (en)

[origin: DE19831901A1] The cooling system for an engine (10) includes a radiator (14) in a large coolant circuit (12), and cooling fan (18) driven by a motor (16). A coolant pump (20) and at least one active element in the form of a second pump (24) in a small coolant circuit (22), taking the coolant through a branch line (26) from the large circuit into the small one, thus passing the cooler.

IPC 1-7

**F01P 7/16**; **F01P 5/10**

IPC 8 full level

**F01P 5/10** (2006.01); **F01P 7/16** (2006.01); **F01P 3/02** (2006.01); **F01P 5/12** (2006.01)

CPC (source: EP)

**F01P 5/10** (2013.01); **F01P 7/164** (2013.01); **F01P 2003/021** (2013.01); **F01P 2003/024** (2013.01); **F01P 2003/027** (2013.01); **F01P 2003/028** (2013.01); **F01P 2005/105** (2013.01); **F01P 2005/125** (2013.01); **F01P 2031/30** (2013.01); **F01P 2060/08** (2013.01)

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