

Title (en)
Coolant cooling device of an internal-combustion engine.

Title (de)
Kühlfluidumkühlvorrichtung einer Brennkraftmaschine.

Title (fr)
Dispositif de refroidissement du fluide caloporteur d'un moteur thermique.

Publication
EP 0183596 A1 19860604 (FR)

Application
EP 85402165 A 19851108

Priority
FR 8417386 A 19841114

Abstract (en)
1. Device for cooling a heat-carrying fluid of a heat engine comprising a radiator (1, 16, 31) fixed on a chassis for example of a motor vehicle, and at least one motor-fan unit (4, 17, 32) comprising an electric motor (5, 18, 33) and a propeller (7, 20, 34), whose hub (9, 22) is constituted by a bowl, whose edge surrounds part of the electric motor and which is fixed on the shaft of the electric motor, characterized in that the electric motor (5, 18, 33) is fixed directly to the radiator by fixing means (11, 12, 13, 25, 26, 27) located to the right of the projection of the transverse extent of the bowl of the propeller and in that the edge of the bowl surrounds the part of the electric motor (5, 18, 33) and the part of the fixing means projecting from the radiator.

Abstract (fr)
Dispositif de refroidissement du fluide caloporteur d'un moteur thermique comprenant un radiateur (3) fixé sur un châssis, par exemple de véhicule automobile, et au moins un motoventilateur (4) comprenant un moteur électrique (5) et une hélice (7) fixée sur l'arbre du moteur électrique, caractérisé en ce que le moteur électrique (5) est fixé directement sur le radiateur par l'intermédiaire de moyens de fixation (11, 12, 13) situés au droit de la projection du maître-couple du bol de l'hélice.

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IPC 8 full level
F01P 5/02 (2006.01); **F28F 9/00** (2006.01)

CPC (source: EP)
F01P 5/02 (2013.01); **F28F 9/002** (2013.01); **F01P 2070/50** (2013.01)

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