

Title (en)

Heat exchanger, specially with a valve, and a method for controlling the exchange of heat

Title (de)

Wärmetauscher, insbesondere Ölkühler mit einem eingeschlossenen Regelventil, sowie Verfahren zur Regelung des Wärmetausches

Title (fr)

Echangeur de chaleur, en particulier avec une valve, ainsi que méthode de contrôle de l'échange thermique

Publication

EP 0916816 B1 20010919 (DE)

Application

EP 98120967 A 19981105

Priority

DE 19750814 A 19971117

Abstract (en)

[origin: EP0916816A1] The heat exchanger has at least one of the oil or coolant channels (2, 3) opposite a connector (7) with a receiver (8) in which the regulating valve (6) is fitted. The cover (4) over the regulating valve and at least one other channel is fitted with at least one connector (12). The temperature of one medium is taken directly in the heat exchanger (1). As the temperature rises, the valve moves in the opening direction. As it falls, the valve moves in the closing direction.

IPC 1-7

F01M 5/00; **F28F 27/02**

IPC 8 full level

F01M 5/00 (2006.01); **F16K 31/64** (2006.01); **F28D 9/00** (2006.01); **F28F 27/02** (2006.01)

CPC (source: EP US)

F01M 5/007 (2013.01 - EP US); **F28D 9/005** (2013.01 - EP US); **F28F 27/02** (2013.01 - EP US); **F28D 2021/0089** (2013.01 - EP US); **F28F 2250/06** (2013.01 - EP US); **Y10S 165/916** (2013.01 - EP US)

Cited by

EP1560097A3; DE102007052263A1; EP2177722A3; AU2005287863B2; FR2904857A1; EP1892389A1; ES2199017A1; DE10019029C5; DE102009022919A1; DE102007010393A1; US9383144B2; FR2807818A1; US6401670B2; EP1789747B1

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