

Title (en)

Heat exchanger having a double pipe construction

Title (de)

Wärmetauscher mit Doppelrohrkonstruktion

Title (fr)

Echangeur de chaleur avec construction à tuyau double

Publication

**EP 0889299 A2 19990107 (EN)**

Application

**EP 98112413 A 19980703**

Priority

JP 17927397 A 19970704

Abstract (en)

An outer cylindrical pipe (11) forming a double pipe type oil cooler (1) is disposed within lines extending from both outer surfaces of each tube (2), which defines the width dimension of the tube (2). That is, the double pipe type oil cooler (1) is located at a position where the flow speed of cooling water is maximum. Thereby, as the cooling water flows from the tube (2) is used efficiently for cooling, the cooling performance of the oil cooler (1) is further improved. Further, the double pipe type oil cooler (1) is formed into flat shaped double pipe in which the longitudinal axis thereof is more than twice as long as the latitudinal axis thereof, and the latitudinal axis of the oil cooler (1) is smaller than the width dimension of the tube (2). <IMAGE>

IPC 1-7

**F28F 9/02**; **F28D 7/10**

IPC 8 full level

**F28D 7/10** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP)

**F28D 7/106** (2013.01); **F28F 9/0234** (2013.01)

Citation (applicant)

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- JP S58524623 A
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- JP H03233129 A 19911017 - SHOWA ALUMINUM CORP

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Designated contracting state (EPC)

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