

Title (en)
A marine heat exchanger

Title (de)
Schiffswärmetauscher

Title (fr)
Échangeur thermique marin

Publication
EP 2322890 A1 20110518 (EN)

Application
EP 09176089 A 20091116

Priority
EP 09176089 A 20091116

Abstract (en)
A marine heat exchanger 10 comprising a housing assembly 12 and a heat exchange core assembly 14. The housing assembly 12 comprises a process fluid (P) inlet 16, a process fluid outlet 18, a coolant (C) inlet 20 and a coolant outlet 22. The housing assembly 12 defines a process fluid passageway between the process fluid inlet 16 and the process fluid outlet 18. The heat exchange core assembly 14 comprises a plurality of coolant tubes and a plurality of heat exchange fins. The coolant tubes comprise corporate alloy and the heat exchange fins comprise copper. The coolant tubes are joined to the heat exchange fins by cuprobrazed joints. The coolant tubes are provided between the coolant inlet 20 and the coolant outlet 22 and define a coolant passageway. At least part of the coolant tubes and at least part of the heat exchange fins extend through the process fluid passageway.

IPC 8 full level
F28D 7/16 (2006.01); **B23K 1/00** (2006.01); **F28F 21/08** (2006.01)

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Citation (search report)
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• [Y] EP 1750078 A2 20070207 - VERGARA URANGA JOSE MARIA [ES]
• [A] DE 102005037156 A1 20070208 - DAIMLER CHRYSLER AG [DE]
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Citation (examination)
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