

Title (en)
HEAT EXCHANGERS

Title (de)
WÄRMETAUSCHER

Title (fr)
ECHANGEURS

Publication
EP 3159649 A1 20170426 (EN)

Application
EP 15461569 A 20151023

Priority
EP 15461569 A 20151023

Abstract (en)
A baffle (26) for a shell and tube heat exchanger (2) comprises a one piece helical flight (38) extending from a central core (24). The helical flight (38) has a plurality of aligned openings (42) for receiving tubes (20) of the heat exchanger (2). The helical flight (38) may be made by machining from a casting or solid block of material, or by an additive manufacturing process.

IPC 8 full level
F28D 7/16 (2006.01); **F28F 1/42** (2006.01); **F28F 9/22** (2006.01)

CPC (source: EP US)
F28D 7/103 (2013.01 - US); **F28D 7/16** (2013.01 - EP US); **F28F 1/42** (2013.01 - EP US); **F28F 9/22** (2013.01 - EP US);
F28F 13/06 (2013.01 - US); **F28F 2009/228** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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