

Title (en)

Multi tubular heat exchangers and process for making same

Title (de)

Multiröhren- Wärmetauscher und dessen Herstellung

Title (fr)

Echangeurs multitubulaires et procédé de fabrication de ces échangeurs

Publication

EP 1376039 B1 20081112 (FR)

Application

EP 03358008 A 20030618

Priority

FR 0207708 A 20020621

Abstract (en)

[origin: EP1376039A1] An abutment is formed inside a cavity defined by a shell to prevent or restrict movement of a multi-tube bundle (34) relative to the shell. An Independent claim is included for a heat exchanger manufacturing method.

IPC 8 full level

F28D 7/16 (2006.01); **F28F 9/00** (2006.01); **F28F 9/02** (2006.01); **F28F 9/04** (2006.01); **F28F 9/22** (2006.01)

CPC (source: EP US)

F28D 7/16 (2013.01 - EP US); **F28F 9/00** (2013.01 - EP US); **F28F 9/005** (2013.01 - EP US); **F28F 9/0219** (2013.01 - EP US); **F28F 9/0246** (2013.01 - EP US); **F28F 9/0248** (2013.01 - EP US); **F28F 9/22** (2013.01 - EP US); **F28F 2255/16** (2013.01 - EP US); **F28F 2265/32** (2013.01 - EP US)

Cited by

WO2010044723A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1376039 A1 20040102; **EP 1376039 B1 20081112**; AT E414252 T1 20081115; DE 60324631 D1 20081224; FR 2841331 A1 20031226; FR 2841331 B1 20050225; US 2003234099 A1 20031225; US 6840306 B2 20050111

DOCDB simple family (application)

EP 03358008 A 20030618; AT 03358008 T 20030618; DE 60324631 T 20030618; FR 0207708 A 20020621; US 36164403 A 20030211