

Title (en)
SHELL AND TUBE HEAT EXCHANGER.

Title (de)
WÄRMEROHRTAUSCHER.

Title (fr)
ECHANGEUR A FAISCEAUX.

Publication
EP 0245465 A4 19880418 (EN)

Application
EP 86907141 A 19861104

Priority
US 79524085 A 19851105

Abstract (en)
[origin: WO8702763A1] A tube and shell type heat exchanger (10) providing multi-pass contraflow of two heat exchange fluids includes a cylindrical outer shell (12), a modular baffle assembly (74) guiding a shell fluid, a plurality of multi-wall tube sets (75) and a pair of opposed end assemblies (14, 16). A fixed end assembly (16) fixedly receives one end of the tube sets (75) and provides manifolding (59a, 59b, 59c) for directing multi-pass tube fluid flow through the tube sets. An opposite, floating end assembly (14) slidably receives and seals floating tube ends to accommodate temperature induced expansion and contraction. The floating end assembly (14) also provides manifolding (59a, 59b, 59c) for directing the multi-pass tube fluid flow through the tube sets (75). A triple wall tube set (375) may be employed to provide extra protection against contamination of heat exchange fluids.

IPC 1-7
F28F 11/00; **F28F 9/06**; **F28F 9/22**

IPC 8 full level
F28D 7/16 (2006.01); **F28F 9/02** (2006.01); **F28F 9/22** (2006.01)

CPC (source: EP)
F28F 9/0219 (2013.01); **F28F 9/0229** (2013.01); **F28F 9/22** (2013.01); **F28F 2275/20** (2013.01)

Citation (search report)

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- See references of WO 8702763A1

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Designated contracting state (EPC)
BE DE FR GB NL

DOCDB simple family (publication)
WO 8702763 A1 19870507; EP 0245465 A1 19871119; EP 0245465 A4 19880418; JP S63502847 A 19881020

DOCDB simple family (application)
US 8602408 W 19861104; EP 86907141 A 19861104; JP 50608086 A 19861104