

Title (en)
Pipe within pipe heat exchanger construction

Title (de)
Doppelrohr-Wärmetauscher

Title (fr)
Echangeur de chaleur à tubes doubles

Publication
EP 1136780 A2 20010926 (EN)

Application
EP 01302664 A 20010322

Priority
US 53354000 A 20000323

Abstract (en)
A pipe within pipe heat exchanger (10) construction is provided, in which one or more liner tubes (14) are positioned within a shell tube (12), with fluid flow in the liner tube(s) (14) and a different temperature fluid flowing in the space between the liner tube(s) (14) and the shell tube (12). Locations of reduced resistance to bending are provided at one or more locations in one or both of the liner tube(s) (14) and the shell tube (12). One or more heat transfer structures may be affixed in thermally conductive contact to the outer surface of the liner tube (14), to facilitate heat transfer between the "inner" fluid flow and the "outer" fluid flow. <IMAGE>

IPC 1-7
F28D 7/10; **F28F 1/08**

IPC 8 full level
F28D 7/10 (2006.01); **F28D 7/14** (2006.01); **F28F 1/08** (2006.01); **F28F 1/10** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP)
F28D 7/106 (2013.01); **F28D 7/14** (2013.01); **F28F 1/08** (2013.01); **F28F 1/105** (2013.01); **F28F 9/0236** (2013.01); **F28F 2265/26** (2013.01)

Citation (applicant)
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