

Title (en)  
Heat exchanger.

Title (de)  
Wärmetauscher.

Title (fr)  
Echangeur de chaleur.

Publication  
**EP 0492799 A1 19920701 (EN)**

Application  
**EP 91310773 A 19911122**

Priority  
GB 9027994 A 19901222

Abstract (en)  
A compact heat exchanger suitable for heat exchange between two fluids one of which is at a high pressure (e.g. above 50 atmospheres) incorporates a cylindrical former (14) supported by inlet and outlet ducts (28) for the low pressure fluid coaxially within a tubular cylindrical pressure vessel (12). The annular space between the former (14) and the vessel (12) is occupied by a plurality of radially-extending flow passages (20) for the low pressure fluid, between which are passages (18) for the high pressure fluid. Each low pressure fluid passage (20) is defined by a single sheet folded to form a pair of adjacent spaced-apart plates. A long sheet (22) may be folded into a zig-zag so as to form a plurality of such pairs of plates. The ends of the plates are welded to the ducts (28), and the pairs of adjacent plates are welded together to seal the ends of the passages (20).  
<IMAGE>

IPC 1-7  
**F28D 9/00**

IPC 8 full level  
**F28D 7/10** (2006.01); **F28D 9/00** (2006.01); **F28F 1/30** (2006.01)

CPC (source: EP)  
**F28D 9/0006** (2013.01); **F28D 9/0018** (2013.01); **F28D 9/0025** (2013.01); **F28D 9/0093** (2013.01); **F28F 2250/102** (2013.01)

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Designated contracting state (EPC)  
BE CH DE FR IT LI NL SE

DOCDB simple family (publication)  
**EP 0492799 A1 19920701**; GB 2251299 A 19920701; GB 2251299 B 19940427; GB 9027994 D0 19910213; GB 9124898 D0 19920115; JP H04292789 A 19921016

DOCDB simple family (application)  
**EP 91310773 A 19911122**; GB 9027994 A 19901222; GB 9124898 A 19911122; JP 33892191 A 19911220