

Title (en)  
Heat exchanger with adapter

Title (de)  
Wärmetauscher mit Adapter

Title (fr)  
Echangeur de chaleur avec adaptateur

Publication  
**EP 0762072 A2 19970312 (EN)**

Application  
**EP 96306434 A 19960905**

Priority  
• US 52597995 A 19950907  
• US 69014596 A 19960731

Abstract (en)  
The lack of flexibility in selecting locations for inlets or outlets or crossovers for a heat exchange fluid in a heat exchanger can be minimized in a heat exchanger construction including first and second spaced, generally parallel, tubular headers (10,12) having opposed ends with a plurality of tubes (20) in parallel and spaced from one another which extend between and have their ends in fluid communication with the interior of the headers (10,12). An adapter (90) in fluid communication with the interior of the headers (10,12) is fixed to the exterior of the heat exchanger to place the heat exchanger in communication with fluid conduits that may be disposed in a variety of locations in relation to the heat exchanger.

IPC 1-7  
**F28F 9/04**; **F28D 1/03**

IPC 8 full level  
**F28F 9/02** (2006.01); **F28D 1/053** (2006.01); **F28F 9/04** (2006.01)

CPC (source: EP KR)  
**F28D 1/05391** (2013.01 - EP KR); **F28F 9/0246** (2013.01 - KR); **F28F 9/0253** (2013.01 - EP)

Cited by  
FR2962800A1; EP1795847A3; FR3034183A1; EP3879217A4; US9651317B2; US12000657B2; US9885432B2; EP1314946A1; EP2660550A4; WO2012007133A1; WO2011124A1; WO2016151082A1

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