

Title (en)  
Heat exchanger, more particularly for gases and liquids

Title (de)  
Wärmetauscher, insbesondere für Gase und Flüssigkeiten

Title (fr)  
Echangeur de chaleur, en particulier pour gaz et liquides

Publication  
**EP 0992756 B1 20021127 (DE)**

Application  
**EP 99119392 A 19990929**

Priority  
DE 19846518 A 19981009

Abstract (en)  
[origin: EP0992756A2] The heat exchanger plate (1) are so connected that they enclose collection and distribution spaces (4) for one of the media and its horizontal flow channels (5). In the collection space (6) issue flow channels for the second medium. The shell-shaped plates are stacked and identically brought together and enclose the flow channels for the second medium. The plates have an all-round molding (8) which has at least one inlet and one outlet aperture (3) for the one medium. The one molding of one plate is connected with that of the next plate. It is possible for two types of heat exchanger plates to be used and for the collection space (4) on one side (12) and the distributor space to be arranged on the opposite side of the heat exchanger.

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

IPC 8 full level  
**F28F 3/08** (2006.01); **F28D 9/00** (2006.01); **F28F 3/04** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP US)  
**F28D 9/0043** (2013.01 - EP US); **F28F 3/042** (2013.01 - EP US); **F28D 21/0003** (2013.01 - EP US); **F28D 2021/0082** (2013.01 - EP US); **F28F 9/0221** (2013.01 - EP US); **F28F 2250/104** (2013.01 - EP US)

Cited by  
EP1710526A1; EP1626238A1; EP1491837A3; FR2949554A1; EP1489373A3; DE10229083A1; EP1376043A3; GB2380253A; GB2380253B; DE102009012509A1; EP1376043A2; WO0198723A1; US7243707B2; EP1491837A2; US7036565B2; US7159650B2; US9494369B2; EP1489373A2; US7055584B2; WO2011023825A1; WO2004106834A3

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