

Title (en)  
Heat exchanger

Title (de)  
Wärmetauscher

Title (fr)  
Echangeur de chaleur

Publication  
**EP 0984238 A2 20000308 (EN)**

Application  
**EP 99115727 A 19990810**

Priority  
SE 9802971 A 19980901

Abstract (en)  
The present invention relates to a plate heat exchanger of cross-flow type for heat exchange between different media of which at least one is a gas, wherein the plate heat exchanger comprises plates (8a, 8b) with elongated and in various alternating directions protruding corrugating ridges, wherein the plate heat exchanger has through-flow gaps (9) for a first medium (V) and through-flow gaps (10) for a second medium (K) and wherein the through-flow gaps (9, 10) extend crosswise relative to each other through the plate heat exchanger such that said first and second medium (V, K) flow crosswise relative to each other through said plate heat exchanger. Each plate (8a, 8b) has four corner portions (20) for sealing between the through-flow gaps (9, 10) at the corners of said plates (8a, 8b). Each corner portion (20) of a plate (8a or 8b) is by means of soldering joined closely together with a corresponding corner portion (20) of an adjacent plate (8b or 8a). Edge portions and corrugating ridges of two adjacent plates (8a, 8b) are joined together by means of soldering. <IMAGE>

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**F28D 9/00**; **F28F 3/04**

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

CPC (source: EP)  
**F28D 9/0037** (2013.01); **F28F 3/046** (2013.01)

Citation (applicant)  
US 4099928 A 19780711 - NORBACK PER S

Cited by  
WO2011154241A1; KR100505482B1; JP2021050838A; EP2119991A3; CN113795318A; NL2003983C2; EP2781870A1; FR3003637A1; WO2011148216A1; US9733026B2; US9222731B2; WO2021059877A1

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