

Title (en)  
HEAT EXCHANGER

Title (de)  
WÄRMETAUSCHER

Title (fr)  
ÉCHANGEUR DE CHALEUR

Publication  
**EP 2110635 A1 20091021 (EN)**

Application  
**EP 07832211 A 20071120**

Priority  
• JP 2007072481 W 20071120  
• JP 2006314864 A 20061121

Abstract (en)  
A stacked plate type heat exchanger having compactness and providing a heat exchanging rate per unit volume of 10 MWt/m<sup>3</sup> or more is used under conditions of high temperature and high pressure of 4 to 7 MPa of pressure difference between a primary fluid and a secondary fluid, and 500°C to 900°C of maximum operating temperature. A thickness of metal plate is set at 0.3 times or more of an equivalent diameter of a flow path, and a pitch between flow paths along a width direction of the metal plate is set at 0.5 times or more of the equivalent diameter of the flow path.

IPC 8 full level  
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CPC (source: EP US)  
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Cited by  
CN103278035A; EP2518428A3; EP3199903A1; CN106996708A; FR2991443A1; CN104736960A; US9541333B2; US9905319B2; WO2017019142A1; WO2013182584A1

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