

Title (en)
Heat exchanger for industrial equipment

Title (de)
Wärmetauscher für Industrieanlagen

Title (fr)
Echangeur de chaleur pour équipement industriel

Publication
EP 1553379 B1 20160629 (DE)

Application
EP 04000280 A 20040108

Priority
EP 04000280 A 20040108

Abstract (en)
[origin: EP1553379A1] Heat exchanger for industrial systems, especially power plants, comprises at least one distributor for a fluid medium and at least one heat exchanger element fixed on the distributor. The heat exchanger is formed by a sandwich arrangement of distributors and heat exchanger elements consisting of metal foam bodies (4). The distributors consist of a pipe or at least interconnected half pipes (2"). Adjacent pipes/half pipes are connected to each other via the metal foam bodies. Preferred Features: The metal foam body consists of an aluminum foam.

IPC 8 full level
F28F 1/12 (2006.01); **F28F 13/00** (2006.01); **F28D 1/053** (2006.01); **F28F 3/08** (2006.01)

CPC (source: EP US)
F28F 13/003 (2013.01 - EP US); **Y10S 165/907** (2013.01 - EP US)

Cited by
DE102012016442A1; DE102006029179A1; EP2058077A1; WO2007126474A1; WO2008119696A1; WO2012106606A3; US9664459B2; US9080818B2; US9951997B2; EP2574453A1; WO2013045129A1

Designated contracting state (EPC)
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EP 1553379 A1 20050713; EP 1553379 B1 20160629; EP 1553379 B8 20160914; CA 2490563 A1 20050708; CA 2490563 C 20120508; CN 100434855 C 20081119; CN 1645030 A 20050727; JP 2005207732 A 20050804; JP 4014600 B2 20071128; US 2005178534 A1 20050818; US 7086457 B2 20060808

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EP 04000280 A 20040108; CA 2490563 A 20041221; CN 200510000189 A 20050106; JP 2005029721 A 20050107; US 3032505 A 20050107