

Title (en)
Heat exchanger

Title (de)
Wärmetauscher

Title (fr)
Echangeur de chaleur

Publication
EP 1239254 A3 20021204 (DE)

Application
EP 02004875 A 20020304

Priority
DE 10110704 A 20010306

Abstract (en)
[origin: EP1239254A2] Heat exchanger has heat exchanger blocks (1) which are mounted on pivots (5, 7, 10) in insulating casings. This allows them to move in at least two directions within the casings.

IPC 1-7
F28F 9/007; **F25J 3/04**

IPC 8 full level
F28F 9/00 (2006.01); **F25J 3/00** (2006.01); **F25J 3/04** (2006.01)

CPC (source: EP KR US)
F25J 3/04 (2013.01 - KR); **F25J 3/04945** (2013.01 - EP US); **F25J 5/002** (2013.01 - EP US); **F25J 2290/42** (2013.01 - EP US)

Citation (search report)

- [XY] US 4377025 A 19830322 - MASAI JOHN F, et al
- [DY] WO 9911990 A1 19990311 - MESSER GRIESHEIM GMBH [DE]
- [X] FR 2405451 A1 19790504 - HAMON [FR]
- [X] US 5131459 A 19920721 - THOMPSON GUY T [US], et al
- [X] GB 1085361 A 19670927 - FOSTER WHEELER LTD

Cited by
EP2503269A1; CN102706097A; DE102011015233A1; US9228778B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1239254 A2 20020911; **EP 1239254 A3 20021204**; **EP 1239254 B1 20060510**; AT E325998 T1 20060615; BR 0200654 A 20021210; BR 0200654 B1 20101116; CA 2375794 A1 20020906; CA 2375794 C 20120703; CN 1260540 C 20060621; CN 1384328 A 20021211; DE 10110704 A1 20020912; DE 50206714 D1 20060614; JP 2002303497 A 20021018; JP 3978353 B2 20070919; KR 100876039 B1 20081226; KR 20020071732 A 20020913; MX PA02002000 A 20040421; TW 514717 B 20021221; US 2002124998 A1 20020912; US 7325594 B2 20080205

DOCDB simple family (application)
EP 02004875 A 20020304; AT 02004875 T 20020304; BR 0200654 A 20020305; CA 2375794 A 20020306; CN 02106873 A 20020306; DE 10110704 A 20010306; DE 50206714 T 20020304; JP 2002058285 A 20020305; KR 20020010160 A 20020226; MX PA02002000 A 20020225; TW 91103424 A 20020226; US 9135002 A 20020306