

Title (en)
Heat exchanger

Title (de)
Wärmetauscher

Title (fr)
Echangeur de chaleur

Publication
EP 1189007 A3 20050209 (EN)

Application
EP 01121546 A 20010910

Priority
IT MI20002039 A 20000919

Abstract (en)
[origin: EP1189007A2] A heat exchanger comprising pair of coaxially disposed tubes (9, 10) and fixed to tube plates (7, 8, 8', 7') so as to form a top chamber (24), an intermediate chamber (25) and a bottom chamber (23), the heat exchanger being suitable to be employed in an evaporator, a condenser or an evaporative condenser. <IMAGE>

IPC 1-7
F28D 7/10

IPC 8 full level
F25B 39/02 (2006.01); **F25B 39/04** (2006.01); **F28B 1/06** (2006.01); **F28D 5/02** (2006.01); **F28D 7/00** (2006.01); **F28D 7/10** (2006.01)

CPC (source: EP)
F25B 39/02 (2013.01); **F25B 39/04** (2013.01); **F28B 1/06** (2013.01); **F28D 5/02** (2013.01); **F28D 7/0066** (2013.01); **F28D 7/0083** (2013.01); **F28D 7/106** (2013.01); **F25B 2339/041** (2013.01)

Citation (search report)

- [X] EP 0031919 A1 19810715 - HOECHST AG [DE]
- [X] EP 0437768 A1 19910724 - ROCKWELL INTERNATIONAL CORP [US]
- [XY] WO 9012992 A1 19901101 - MAEKINEN KALERVO PAEIVIOE [FI]
- [YA] US 4326582 A 19820427 - ROSMAN IRWIN E, et al
- [A] GB 2129110 A 19840510 - HUETOETECHNIKA IPARI SZOEIVETKE
- [A] US 5377500 A 19950103 - YANG TEN S [TW]
- [A] GB 1056075 A 19670125 - ESCHER WYSS AG
- [A] US 4284133 A 19810818 - GIANNI SEBASTIAN J, et al
- [A] US 5735342 A 19980407 - NITTA MINORU [US]
- [X] PATENT ABSTRACTS OF JAPAN vol. 0111, no. 55 (M - 589) 20 May 1987 (1987-05-20)

Cited by
CN101963466A; CN102410527A; CN100427870C; CN102072678A; CN114320522A; CN110567288A; CN101825271A; CN103292309A; CN115307461A; WO2009016244A3; WO2008089777A1; US10634401B2

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 1189007 A2 20020320; EP 1189007 A3 20050209; EP 1189007 B1 20061102; AT E344430 T1 20061115; DE 60124191 D1 20061214; DE 60124191 T2 20070913; ES 2275594 T3 20070616; IT 1318877 B1 20030910; IT MI20002039 A0 20000919; IT MI20002039 A1 20020319

DOCDB simple family (application)
EP 01121546 A 20010910; AT 01121546 T 20010910; DE 60124191 T 20010910; ES 01121546 T 20010910; IT MI20002039 A 20000919