

Title (en)
HEAT EXCHANGER USING A STORAGE FLUID

Title (de)
EIN SPEICHERFLUID VERWENDENDER WÄRMETAUSCHER

Title (fr)
ECHANGEUR DE CHALEUR UTILISANT UN FLUIDE D ACCUMULATION

Publication
EP 1680292 A2 20060719 (FR)

Application
EP 04805407 A 20041021

Priority
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• FR 0312291 A 20031021

Abstract (en)
[origin: FR2861166A1] The exchanger has piled up modules (100) connected to an inlet pipe (101) and to an outlet pipe (102) for refrigerant fluid. Plates define a U shaped path between pipes whose connections are situated on both sides of ribs. A plane part along with one of the plates delimits a space to permit a vertical movement of a storage fluid from bottom to top and from one pipe to another pipe.

IPC 1-7
B60H 1/00

IPC 8 full level
B60H 1/00 (2006.01); **F28D 1/03** (2006.01); **F28D 1/053** (2006.01); **F28D 20/02** (2006.01)

CPC (source: EP US)
B60H 1/005 (2013.01 - EP US); **B60H 1/00885** (2013.01 - EP US); **B60H 1/322** (2013.01 - EP US); **F28D 1/0333** (2013.01 - EP US); **F28D 1/0341** (2013.01 - EP US); **F28D 1/0408** (2013.01 - EP US); **F28D 1/05391** (2013.01 - EP US); **F28D 20/02** (2013.01 - EP US); **F28F 9/0204** (2013.01 - EP US); **B60H 2001/00928** (2013.01 - EP US); **F28D 2021/0085** (2013.01 - EP US); **F28D 2021/0096** (2013.01 - EP US); **Y02E 60/14** (2013.01 - EP US)

Citation (search report)
See references of WO 2005040707A2

Citation (examination)
EP 1424531 A2 20040602 - VALEO CLIMATISATION [FR]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
FR 2861166 A1 20050422; FR 2861166 B1 20061124; CN 100483060 C 20090429; CN 1886276 A 20061227; EP 1680292 A2 20060719; US 2007039714 A1 20070222; US 7891412 B2 20110222; WO 2005040707 A2 20050506; WO 2005040707 A3 20050818

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