

Title (en)
Rotary heat exchanger

Title (de)
Rotationswärmetauscher

Title (fr)
Echangeur thermique rotatif

Publication
EP 1884732 A3 20111228 (DE)

Application
EP 07012031 A 20070620

Priority
DE 102006035958 A 20060802

Abstract (en)
[origin: EP1884732A2] The exchanger has a heat wheel comprising foil layers lying one upon the other, and fluid channels (9, 10) formed between the foil layers. The fluid channels formed by uprisings and/or recesses of opposite surfaces of the adjacent foil layers are cut from one another. The uprisings and/or recesses of the layers run parallel to one another like a wave around an axial direction (11) of the wheel. The foil layers are made from metallic material such as aluminum.

IPC 8 full level
F28D 19/04 (2006.01)

CPC (source: EP)
F28D 19/042 (2013.01)

Citation (search report)

- [X] US 3183963 A 19650518 - MONDT JAMES R
- [X] DE 2616816 A1 19771027 - ROTHEMUEHLE BRANDT KRITZLER
- [XY] US 4200441 A 19800429 - HONMANN WINFRIED [DE], et al
- [Y] US 3759323 A 19730918 - KEEDY D, et al

Cited by
US10175006B2; US9644899B2; US10914527B2; US10094626B2; US10197337B2; US10982908B2; US10378829B2; US11092387B2; JP2014519007A; AU2016201413B2; WO2012166750A1

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

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1884732 A2 20080206; EP 1884732 A3 20111228; DE 102006035958 A1 20080207

DOCDB simple family (application)
EP 07012031 A 20070620; DE 102006035958 A 20060802