

Title (en)
Heat exchanger

Title (de)
Wärmetauscher

Title (fr)
Echangeur de chaleur

Publication
EP 1256772 A3 20050209 (DE)

Application
EP 02010387 A 20020508

Priority
• DE 10122925 A 20010511
• DE 20114850 U 20010907

Abstract (en)
[origin: EP1256772A2] The radiator (1) consists of several hollow plates (4) combined into a block or pack (16) and composed of paired sheets (22), enclosing at least one cavity serving as a channel. Each sheet has protruberances (26, 33') from the hollow plate plane, facing inwards and outwards. The protruberances are produced by deformation of the material.

IPC 1-7
F28F 3/04; **F28D 1/03**

IPC 8 full level
F28D 1/03 (2006.01); **F28F 3/04** (2006.01)

CPC (source: EP US)
F28D 1/0333 (2013.01 - EP US); **F28F 3/04** (2013.01 - EP US)

Citation (search report)
• [X] US 5735343 A 19980407 - KAJIKAWA YOSHIHARU [JP], et al
• [X] US 6047769 A 20000411 - SHIMOYA MASAHIRO [JP], et al
• [X] US 4209064 A 19800624 - BENNETT MORELAND P [US], et al

Cited by
DE102012217333A1; EP2025427A3; US8387248B2; US10520261B2; EP1682842B1

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 1256772 A2 20021113; **EP 1256772 A3 20050209**; DE 10220532 A1 20021114; US 2002195239 A1 20021226; US 6938685 B2 20050906

DOCDB simple family (application)
EP 02010387 A 20020508; DE 10220532 A 20020508; US 14135602 A 20020509