

Title (en)
Plate heat exchanger

Title (de)
Plattenwärmeaustauscher

Title (fr)
Echangeur thermique à plaques

Publication
EP 2045557 B1 20101110 (DE)

Application
EP 08016065 A 20010711

Priority
• EP 01250256 A 20010711
• DE 10035776 A 20000722

Abstract (en)
[origin: US2002074112A1] A plate heat exchanger including adjoining plates disposed adjacent one another and having peripheral grooves and channels alternately for media giving off heat and absorbing heat, seals made of an elastic material each being emplaced between the adjoining plates in the groove of one of the plates, attachment holes in each plate, and nipples on each seal insertable in the holes and with cross-sections different from the penetration cross-sections of the holes such that the nipples when inserted into the holes are not compressed about their entire circumference but only at spaced sites thereon at which the nipples project beyond the margin of the holes. The holes are defined by downturned edges which have radii and point in the insertion direction of the nipples into the holes.

IPC 8 full level
F28F 3/00 (2006.01); **F28F 3/08** (2006.01); **F28F 3/10** (2006.01)

CPC (source: EP KR US)
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Cited by
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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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US 2002074112 A1 20020620; US 6513584 B2 20030204; AT E423953 T1 20090315; AT E487914 T1 20101115; CN 1249397 C 20060405; CN 1334434 A 20020206; DE 10035776 C1 20011213; DE 50114721 D1 20090409; DE 50115706 D1 20101223; DK 1176381 T3 20090615; DK 2045557 T3 20110207; EP 1176381 A2 20020130; EP 1176381 A3 20040407; EP 1176381 B1 20090225; EP 2045557 A1 20090408; EP 2045557 B1 20101110; ES 2321909 T3 20090615; ES 2352532 T3 20110221; KR 100850622 B1 20080805; KR 100868853 B1 20081114; KR 20020009421 A 20020201; KR 20080036969 A 20080429

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