

Title (en)  
Heat exchange unit

Title (de)  
Wärmeaustauscheinheit

Title (fr)  
Unité d'échange de chaleur

Publication  
**EP 1722183 A2 20061115 (EN)**

Application  
**EP 06009677 A 20060510**

Priority  
JP 2005137538 A 20050510

Abstract (en)  
A heat exchange unit (1) includes first and second plates (10,20), which are identical in configuration in a central irregularity pattern section (30), but different in configuration in a peripheral area (40,50). The first plate (10) has first terraced sections (41) projecting outward relative to a remaining part having a first flat section (42). The second plate (20) has a second terraced section (51) projecting outward relative to a remaining part having a second flat section (52). The first and second plates are placed alternately one upon another so that surfaces of said irregularity pattern sections (30) face a same direction. The first terraced sections (41) of the first plates (10) come into contact with the second flat sections (52) of the second plates (20) and the first flat sections (42) of the first plates (10) come into contact with the second terraced sections (51) of the second plates (20). The first and second plates are welded to each other at contact areas.

IPC 8 full level  
**F28D 9/00** (2006.01); **F28F 3/04** (2006.01)

CPC (source: EP KR US)  
**F28D 9/00** (2013.01 - KR); **F28D 9/0037** (2013.01 - EP US); **F28F 3/00** (2013.01 - KR); **F28F 3/04** (2013.01 - EP US); **F28F 13/08** (2013.01 - KR)

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

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
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