

Title (en)  
HEAT EXCHANGER

Title (de)  
WÄRMETAUSCHER

Title (fr)  
ECHANGEUR THERMIQUE

Publication  
**EP 1846718 B1 20120613 (DE)**

Application  
**EP 06706633 A 20060203**

Priority  
• EP 2006000971 W 20060203  
• DE 102005005180 A 20050203

Abstract (en)  
[origin: WO2006082084A1] The invention relates to a heat exchanger (1) having a plurality of tubes (4) and at least one box (3) that is closed by a bottom (2) provided with openings (6), at least one end (5) of the tubes (4) leading to said box. The invention is characterized in that the bottom (2) is provided with cams (7) and/or beads (7')

IPC 8 full level  
**F28F 9/02** (2006.01); **F28F 9/18** (2006.01)

CPC (source: EP US)  
**F28F 9/0224** (2013.01 - EP US)

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2006082084 A1 20060810**; CN 101111736 A 20080123; CN 101111736 B 20100519; EP 1846718 A1 20071024; EP 1846718 B1 20120613; EP 1846718 B2 20160210; JP 2008528930 A 20080731; JP 5264181 B2 20130814; US 2008135220 A1 20080612

DOCDB simple family (application)  
**EP 2006000971 W 20060203**; CN 200680003873 A 20060203; EP 06706633 A 20060203; JP 2007553547 A 20060203; US 81534806 A 20060203