

Title (en)  
HEAT EXCHANGER AND REFRIGERATION DEVICE

Title (de)  
WÄRMETAUSCHER UND KÜHLVORRICHTUNG

Title (fr)  
ÉCHANGEUR DE CHALEUR ET DISPOSITIF DE RÉFRIGÉRATION

Publication  
**EP 2077429 A1 20090708 (EN)**

Application  
**EP 07829000 A 20071002**

Priority  
• JP 2007069260 W 20071002  
• JP 2006283802 A 20061018  
• JP 2007133988 A 20070521

Abstract (en)  
An oil groove (25) for trapping and transporting oil is formed in an inner wall surface of a heat transfer tube (22) of a heat exchanger (12, 13) to extend in an axial direction of the heat transfer tube (22).

IPC 8 full level  
**F28F 1/40** (2006.01); **F25B 1/00** (2006.01); **F25B 39/00** (2006.01); **F25B 43/02** (2006.01); **F28D 1/047** (2006.01); **F28F 1/32** (2006.01); **F28F 13/18** (2006.01); **F28F 17/00** (2006.01)

CPC (source: EP)  
**F25B 39/00** (2013.01); **F28D 1/0477** (2013.01); **F28F 1/32** (2013.01); **F28F 1/40** (2013.01); **F28F 13/185** (2013.01); **F28F 17/005** (2013.01); **F25B 43/02** (2013.01)

Cited by  
US8904812B2; US9285142B2

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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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
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