

Title (en)  
REFRIGERATION UNIT

Title (de)  
KÜHLEINHEIT

Title (fr)  
GROUPE FRIGORIFIQUE

Publication  
**EP 1780492 B1 20111123 (EN)**

Application  
**EP 05767439 A 20050729**

Priority  
• JP 2005013954 W 20050729  
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Abstract (en)  
[origin: EP1780492A1] An air conditioner comprises an outdoor heat exchanger having a plate fin whose surface is treated to have water-sliding properties and water repellency and a drain pan arranged under the outdoor heat exchanger. There is a gap throughout between the lower end portion of the outdoor heat exchanger and the upper surface of the drain pan. Water droplets condensed when the outdoor heat exchanger operates as an evaporator fall on the drain pan from the lower end portion of the plate fin. Since the plate fin and the drain pan are not in contact with each other, there is no such case that ice adheres to the contact portion and frost develops therefrom.

IPC 8 full level  
**F28F 13/18** (2006.01); **F25B 39/02** (2006.01); **F25B 47/02** (2006.01); **F28F 1/32** (2006.01); **F28F 17/00** (2006.01)

CPC (source: EP KR US)  
**F24F 1/18** (2013.01 - EP US); **F24F 1/36** (2013.01 - EP US); **F24F 13/22** (2013.01 - EP US); **F25B 39/02** (2013.01 - KR); **F28F 1/32** (2013.01 - EP KR US); **F28F 13/04** (2013.01 - EP US); **F28F 13/18** (2013.01 - KR); **F28F 17/00** (2013.01 - KR); **F28F 17/005** (2013.01 - EP US); **F25B 13/00** (2013.01 - EP US); **F25B 40/02** (2013.01 - EP US)

Cited by  
WO2012056165A1; FR2966914A1; CN113558437A; ITBO20120131A1; CN103292617A; WO2017070093A1

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)  
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