

Title (en)  
REFRIGERATOR

Title (de)  
KÜHLSCHRANK

Title (fr)  
RÉFRIGÉRATEUR

Publication  
**EP 2899481 A4 20160601 (EN)**

Application  
**EP 13838191 A 20130919**

Priority  
• JP 2012205272 A 20120919  
• JP 2013005525 W 20130919

Abstract (en)  
[origin: EP2899481A1] Provided is a refrigerator including a freezing compartment sectioned by a heat insulating wall, a cold storage compartment disposed above the freezing compartment, and a cooler compartment disposed behind the freezing compartment. The refrigerator further includes a cooling device (107) disposed in the cooler compartment, and including vertically stacked refrigerant pipes (145) equipped with fins (146), and a cold storage compartment return duct that returns cold air returning from the cold storage compartment toward the cooler compartment, the cold storage compartment return duct disposed on a side of the cooling device (107). The lateral length of a lower part of the refrigerant pipes (145) of the cooling device (107) is made shorter than the lateral length of an upper part of the refrigerant pipes (145) so as to improve cooling efficiency by reduction of flow path pressure losses, and to disperse frosting parts of the cooling device (107).

IPC 8 full level  
**F25D 21/04** (2006.01); **F25B 39/02** (2006.01); **F25D 17/08** (2006.01); **F25D 21/08** (2006.01); **F28D 1/047** (2006.01); **F28D 21/00** (2006.01); **F28F 1/32** (2006.01)

CPC (source: CN EP)  
**F25B 39/02** (2013.01 - CN EP); **F28D 1/0477** (2013.01 - CN EP); **F28F 1/325** (2013.01 - CN EP); **F25B 2500/01** (2013.01 - CN EP); **F25D 21/04** (2013.01 - CN EP); **F25D 21/08** (2013.01 - CN EP); **F28D 2021/0071** (2013.01 - CN EP)

Citation (search report)  
• [X1] JP 2012042193 A 20120301 - MITSUBISHI ELECTRIC CORP  
• [A] EP 1347255 A1 20030924 - SAMSUNG ELECTRONICS CO LTD [KR]  
• See references of WO 2014045576A1

Cited by  
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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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