

Title (en)  
REFRIGERATOR

Title (de)  
KÜHLVORRICHTUNG

Title (fr)  
RÉFRIGÉRATEUR

Publication  
**EP 2397799 A4 20141119 (EN)**

Application  
**EP 09839951 A 20090310**

Priority  
• JP 2009001064 W 20090310  
• JP 2009030212 A 20090212

Abstract (en)  
[origin: EP2397799A1] In a refrigerator having a refrigerator compartment and a freezer compartment side by side in the horizontal direction, the energy efficiency of a cooling cycle is improved. A refrigerator 100 includes: a first body 151 having an opening in a front face and defining a refrigerator compartment; a second body 152 having an opening in a front face and defining a freezer compartment; and an outer casing 156 which is made of a metal and covers the first body 151 and the second body 152 that are arranged next to each other in the horizontal direction; a compressor 101 disposed below the second body 152; a first condenser 124 which is connected to the compressor 101, is disposed below the first body 151, and provides direct heat exchange with air; a second condenser 125 which is connected to the first condenser 124, is disposed between the first body 151 and the outer casing 156, and provides heat exchange with air through the outer casing 156; and an evaporator 103 which is connected to the second condenser 125 and in which a refrigerant is evaporated.

IPC 8 full level  
**F25D 19/00** (2006.01); **F25B 5/04** (2006.01); **F25B 6/04** (2006.01); **F25D 21/14** (2006.01); **F25D 23/00** (2006.01)

CPC (source: EP)  
**F25B 5/04** (2013.01); **F25B 6/04** (2013.01); **F25D 19/00** (2013.01); **F25B 2400/0409** (2013.01); **F25B 2600/2511** (2013.01); **F25D 21/14** (2013.01); **F25D 23/003** (2013.01); **F25D 2321/1442** (2013.01); **F25D 2321/146** (2013.01); **F25D 2323/0021** (2013.01); **F25D 2323/023** (2013.01); **F25D 2400/06** (2013.01)

Citation (search report)  
• [X1] US 2003029189 A1 20030213 - WILSON MARK [US]  
• See references of WO 2010092628A1

Cited by  
CN105473963A; CN102954649A; WO2013189789A3

Designated contracting state (EPC)  
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 SE SI SK TR

DOCDB simple family (publication)  
**EP 2397799 A1 20111221**; **EP 2397799 A4 20141119**; **EP 2397799 B1 20180919**; CN 102317716 A 20120111; CN 102317716 B 20140813; JP 5450462 B2 20140326; JP WO2010092628 A1 20120816; WO 2010092628 A1 20100819

DOCDB simple family (application)  
**EP 09839951 A 20090310**; CN 200980156717 A 20090310; JP 2009001064 W 20090310; JP 2010550345 A 20090310