

Title (en)
REFRIGERATOR AND HEAT EXCHANGER USED THEREIN

Title (de)
KÜHLSCHRANK UND DARIN VERWENDETER WÄRMETAUSCHER

Title (fr)
RÉFRIGÉRATEUR ET ÉCHANGEUR DE CHALEUR UTILISÉ DANS CELUI-CI

Publication
EP 3076107 A1 20161005 (EN)

Application
EP 15190899 A 20151021

Priority
KR 20150046031 A 20150401

Abstract (en)
A refrigerator includes: a body; a storage compartment formed in the body; and a cold air generating unit installed in the storage compartment and including a heat exchanger for generating cold air, wherein the heat exchanger includes: a tube, which forms a heat-exchanging space and extends in one direction and in which a refrigerant flows; heat-exchanging fins disposed to be in contact with the tube in the heat-exchanging space; headers connected to one side and the other side of the tube, respectively; and a refrigerant pipe connected to the headers so that the refrigerant is introduced into/discharged from the tube, and a plurality of flow paths on which the refrigerant flows, are formed in the tube.

IPC 8 full level
F25D 17/00 (2006.01)

CPC (source: CN EP US)
F25B 39/00 (2013.01 - CN); **F25B 39/02** (2013.01 - EP US); **F25D 11/02** (2013.01 - CN US); **F25D 17/062** (2013.01 - EP US); **F28D 1/0473** (2013.01 - EP); **F28D 1/05316** (2013.01 - US); **F28D 1/05383** (2013.01 - EP); **F28F 1/126** (2013.01 - EP); **F28F 1/22** (2013.01 - EP); **F25B 5/00** (2013.01 - EP US); **F25B 2339/02** (2013.01 - EP US)

Citation (search report)
• [XYI] WO 2014129318 A1 20140828 - SHARP KK [JP]
• [XA] EP 2682690 A2 20140108 - SAMSUNG ELECTRONICS CO LTD [KR]
• [X] EP 1640683 A1 20060329 - SAMSUNG ELECTRONICS CO LTD [KR]
• [Y] WO 2011034633 A1 20110324 - CARRIER CORP [US], et al

Designated contracting state (EPC)
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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3076107 A1 20161005; CN 106052249 A 20161026; KR 20160117937 A 20161011; US 2016290689 A1 20161006

DOCDB simple family (application)
EP 15190899 A 20151021; CN 201511020610 A 20151230; KR 20150046031 A 20150401; US 201514877462 A 20151007