

Title (en)
REFRIGERATOR

Title (de)
KÜHLSCHRANK

Title (fr)
RÉFRIGÉRATEUR

Publication
EP 3176523 A1 20170607 (EN)

Application
EP 16201156 A 20121016

Priority
• KR 20110106133 A 20111017
• EP 12188720 A 20121016

Abstract (en)
This specification relates to a refrigerator comprising an ice bucket having a function of unlaying ice curdling, capable of facilitating ice cubes to be drawn out by unlaying ice cubes, which are frozen in a curdled state due to being left for a long time at an upper portion within the ice bucket of an ice dispensing apparatus, which is disposed in a refrigerator or a water purifier having an ice maker to allow ice cubes to be ejected piece by piece. The ice bucket includes a case main body forming an ice storage space therein and having an ice discharge port formed at a lower portion thereof, an ice ejecting member rotatably disposed at one side of the main body and having a motor rotation shaft, a blade mounting shaft, and a plurality of blades protruding from the blade mounting shaft in a radial direction and disposed in a circumferential direction with spaced distances, and an ice curdling unlaying member configured to prevent ice cubes located above the ice ejecting member from being frozen in a curdled state.

IPC 8 full level
F25C 5/00 (2006.01)

CPC (source: EP KR US)
F25C 1/24 (2013.01 - KR); **F25C 5/02** (2013.01 - KR); **F25C 5/18** (2013.01 - KR); **F25C 5/20** (2017.12 - EP US); **F25C 5/24** (2017.12 - EP US); **F25D 11/00** (2013.01 - KR); **F25C 2500/08** (2013.01 - EP US)

Citation (search report)
• [X] JP 2006242457 A 20060914 - HOSHIZAKI ELECTRIC CO LTD
• [X] WO 2008054161 A2 20080508 - LG ELECTRONICS INC [KR], et al
• [XY] US 5273219 A 19931228 - BEACH JR SAMMIE C [US], et al
• [Y] US 4942983 A 19900724 - BRADBURY JOHN R [US]
• [A] US 2009293529 A1 20091203 - SHINOHARA KATSUTOSHI [JP], 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

DOCDB simple family (publication)
EP 2584293 A2 20130424; EP 2584293 A3 20130515; EP 2584293 B1 20161130; CN 103047804 A 20130417; EP 3176523 A1 20170607; EP 3176523 B1 20220504; ES 2616764 T3 20170614; KR 101392927 B1 20140514; KR 20130041700 A 20130425; US 2013092707 A1 20130418

DOCDB simple family (application)
EP 12188720 A 20121016; CN 201210382965 A 20121011; EP 16201156 A 20121016; ES 12188720 T 20121016; KR 20110106133 A 20111017; US 201213651592 A 20121015