

Title (en)
REFRIGERATOR

Title (de)
KÜHLSCHRANK

Title (fr)
RÉFRIGÉRATEUR

Publication
EP 4004461 A4 20220928 (EN)

Application
EP 20889070 A 20201117

Priority
• KR 20190148887 A 20191119
• KR 2020016136 W 20201117

Abstract (en)
[origin: US2021148627A1] A refrigerator includes a main body having a refrigerating compartment and a freezing compartment. A refrigerating compartment door is rotatably coupled to the main body to open and close at least a part of the refrigerating compartment, and includes an ice-making compartment and a dispenser. An auxiliary door opens and closes the ice-making compartment, and a cold air duct connects the ice-making compartment to the freezing compartment to cool the ice-making compartment. The ice-making compartment is formed on a front surface of the refrigerating compartment door such that access to the ice-making compartment is allowed via the auxiliary door with the refrigerating compartment door closed. The auxiliary door has an opening corresponding to the dispenser such an access to the dispenser is allowed with the auxiliary door closed.

IPC 8 full level
F25D 11/02 (2006.01); **F25C 5/20** (2018.01); **F25D 17/06** (2006.01); **F25D 17/08** (2006.01); **F25D 23/02** (2006.01); **F25D 23/12** (2006.01); **F25D 31/00** (2006.01)

CPC (source: EP KR US)
F25C 5/22 (2018.01 - EP US); **F25D 11/02** (2013.01 - KR); **F25D 17/065** (2013.01 - EP KR US); **F25D 17/08** (2013.01 - KR US); **F25D 23/025** (2013.01 - EP US); **F25D 23/028** (2013.01 - KR); **F25D 23/126** (2013.01 - EP US); **F25D 31/002** (2013.01 - KR); **F25C 2400/10** (2013.01 - US); **F25C 2400/14** (2013.01 - US); **F25D 2317/061** (2013.01 - EP); **F25D 2317/062** (2013.01 - EP); **F25D 2317/067** (2013.01 - EP US); **F25D 2323/023** (2013.01 - KR); **F25D 2323/121** (2013.01 - EP); **F25D 2323/122** (2013.01 - EP)

Citation (search report)
• [XYI] US 2019024962 A1 20190124 - LEE DONGHOON [KR], et al
• [YA] US 2018335246 A1 20181122 - JEONG JIN [KR], et al
• See also references of WO 2021101199A1

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)
US 2021148627 A1 20210520; EP 4004461 A1 20220601; EP 4004461 A4 20220928; KR 20210061089 A 20210527;
WO 2021101199 A1 20210527

DOCDB simple family (application)
US 202016951176 A 20201118; EP 20889070 A 20201117; KR 20190148887 A 20191119; KR 2020016136 W 20201117