

Title (en)
Refrigerator and Door for the Same

Title (de)
Kühlschrank und Tür dafür

Title (fr)
Appareil frigorifique et porte pour celui-ci

Publication
EP 2584297 A3 20170927 (EN)

Application
EP 12189144 A 20121018

Priority
• KR 20110107889 A 20111021
• KR 20120051474 A 20120515

Abstract (en)
[origin: EP2584297A2] A door for a refrigerator having a reduced number of constituent elements, resulting in reduction in material and processing costs as well as manufacturing time is provided. The door may include a reinforced glass panel defining a front surface, a pair of lateral frames to support the reinforced glass panel, a rear panel defining a rear surface, a pair of caps including upper and lower caps, and a foam charged into an interior space of the door to couple the reinforced glass panel, lateral frames, rear panel and caps to one another. Each lateral frame comes into contact with two surfaces including a lateral surface and a rear surface of the reinforced glass panel to support the reinforced glass panel. Also, each lateral frame may be formed via extrusion molding of PVC synthetic resin and is painted via liquid painting.

IPC 8 full level
F25D 23/02 (2006.01)

CPC (source: EP US)
F25D 23/02 (2013.01 - EP US); **F25D 23/028** (2013.01 - US); **F25D 23/04** (2013.01 - US); **F25D 23/08** (2013.01 - US)

Citation (search report)
• [Y] WO 2009080494 A1 20090702 - BSH BOSCH SIEMENS HAUSGERAETE [DE], et al
• [Y] US 5363611 A 19941115 - RICHARDSON RICHARD J [US], et al
• [A] WO 2006112633 A1 20061026 - LG ELECTRONICS INC [KR], et al
• [A] US 2011089790 A1 20110421 - LEE HYOUNG SUK [KR], 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)
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DOCDB simple family (application)
EP 12189144 A 20121018; CN 201210404384 A 20121022; US 201213654883 A 20121018