

Title (en)
FREEZER FROST ABATEMENT DEVICE

Title (de)
ENTFROSTUNGSVORRICHTUNG FÜR TIEFKÜHLGERÄT

Title (fr)
DISPOSITIF DE RÉDUCTION DU GIVRE POUR CONGÉLATEUR

Publication
EP 2013555 A4 20131016 (EN)

Application
EP 07761524 A 20070427

Priority
• US 2007067705 W 20070427
• US 79563806 P 20060427

Abstract (en)
[origin: WO2007127961A2] A frost resistant freezer includes a freezer chamber, a door, a cooler, and a desiccant. The freezer chamber has a volume. The door provides access to the freezer chamber. The cooler cools air within the freezer chamber from a first temperature within the chamber immediately following closure of the door to a second, quiescent temperature during a cooling period. The desiccant is disposed within the freezer chamber and is selected to absorb moisture from the freezer chamber at a rate sufficient to reduce the relative humidity within the freezer chamber to a value low enough to prevent the formation of frost within the freezer chamber at the quiescent temperature.

IPC 8 full level
F25D 13/06 (2006.01); **F25D 17/04** (2006.01); **F25D 21/04** (2006.01)

CPC (source: EP)
F25D 17/042 (2013.01); **F25D 21/04** (2013.01); **F25D 2317/0411** (2013.01)

Citation (search report)
• [X] EP 0031311 A2 19810701 - ELECTROLUX AB [SE]
• [X] GB 2165341 A 19860409 - WALL CHRISTOPHER DENHAM, et al
• [E] EP 1845321 A1 20071017 - WHIRLPOOL CO [US]
• See references of WO 2007127961A2

Designated contracting state (EPC)
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DOCDB simple family (publication)
WO 2007127961 A2 20071108; WO 2007127961 A3 20080214; BR PI0710713 A2 20110816; CN 101479543 A 20090708;
EP 2013555 A2 20090114; EP 2013555 A4 20131016; MX 2008013817 A 20090126; RU 2008146736 A 20100610; RU 2426959 C2 20110820

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