

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)  
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EP 2013555 A2 20090114; EP 2013555 A4 20131016; MX 2008013817 A 20090126; RU 2008146736 A 20100610; RU 2426959 C2 20110820

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