

Title (en)

A vacuum panel cabinet structure for a refrigerator

Title (de)

Vakuumtafel-Gehäusestruktur für einen Kühlschrank

Title (fr)

Structure d'armoire de panneau à vide pour réfrigérateur

Publication

EP 2778583 A2 20140917 (EN)

Application

EP 14158626 A 20140310

Priority

US 201313835449 A 20130315

Abstract (en)

A vacuum panel cabinet structure comprising a frame having side and back framing members defining a frame opening and panel receptacles, framing edges, at least one outwardly expanded framing member, and an inner surface. A plurality of vacuum panels disposed in the panel receptacles. A barrier film disposed on the vacuum panels. An outer enclosure having at least one extruded channel engaging the at least one outwardly expanded framing member, at least one outwardly contoured hinge, and an inward surface defining a frame receptacle into which the frame is disposed. A liner having at least four sidewalls, a back panel, a liner outer facing surface, and a liner perimetrical flange, wherein the liner outer facing surface is disposed within the frame opening proximate the frame inner surface. The liner perimetrical flange is disposed to the outer enclosure and includes a hermetically sealed infrastructure notch.

IPC 8 full level

F25D 23/06 (2006.01)

CPC (source: EP)

F25D 23/062 (2013.01); **F25D 2201/14** (2013.01); **F25D 2323/024** (2013.01); **F25D 2400/40** (2013.01)

Cited by

EP3491309A4; EP3009775A1; KR20160044723A; CN105627657A; WO2018101954A1; EP3548813A4; US2023332829A1; US12078411B2; US10767919B2; US9696083B2

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)

EP 2778583 A2 20140917; EP 2778583 A3 20150729; EP 2778583 B1 20170301

DOCDB simple family (application)

EP 14158626 A 20140310