

Title (en)
Folded vacuum insulated structure

Title (de)
Gefaltete vakuumisolierte Struktur

Title (fr)
Structure d'isolation sous vide pliée

Publication
EP 2778582 B1 20180425 (EN)

Application
EP 14158619 A 20140310

Priority
US 201313837659 A 20130315

Abstract (en)
[origin: EP2778582A2] A vacuum insulated cabinet structure includes panels having sheet metal outer side walls and polymer inner side walls. The polymer inner side walls are heat-sealed to a layer of polymer material laminated to a flat sheet metal blank to form vacuum cavities. The blank is then bent along fold lines to form a cabinet structure.

IPC 8 full level
F25D 23/06 (2006.01)

CPC (source: EP)
F25D 23/062 (2013.01); **F25D 2201/14** (2013.01)

Citation (examination)
• US 2011030894 A1 20110210 - TENRA TOMOHISA [JP], et al
• US 2011206876 A1 20110825 - FUJIMORI YOSUKE [JP], et al

Cited by
CN108779950A; RU2734934C2; EP3447418A1; EP3397906A4; US11549744B2; EP3839387A1; WO2016141021A1; WO2017157522A3; US11175089B2; US11867451B2

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

DOCDB simple family (publication)
EP 2778582 A2 20140917; EP 2778582 A3 20150722; EP 2778582 B1 20180425; BR 102014005925 A2 20150623; BR 102014005925 A8 20200721; BR 102014005925 B1 20210119

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EP 14158619 A 20140310; BR 102014005925 A 20140313