

Title (en)
Folded vacuum insulated structure

Title (de)
Gefaltete vakuumisolierte Struktur

Title (fr)
Structure d'isolation sous vide pliée

Publication
EP 2778582 A2 20140917 (EN)

Application
EP 14158619 A 20140310

Priority
US 201313837659 A 20130315

Abstract (en)
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 (applicant)
• US 201113108226 A 20110516
• US 201113108293 A 20110516
• US 201113108183 A 20110516

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

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

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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