

Title (en)
Folded vacuum insulated structure

Title (de)
Gefaltete vakuumisolierte Struktur

Title (fr)
Structure d'isolation sous vide pliée

Publication
EP 2778582 A3 20150722 (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 (search report)

- [X] EP 0860669 A1 19980826 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [Y] US 6109712 A 20000829 - HAWORTH GEORGE JEFFREY [US], et al
- [Y] WO 03089729 A1 20031030 - MICROTHERM INT LTD [GB], et al
- [A] US 6305768 B1 20011023 - NISHIMOTO YOSHIO [JP]
- [A] EP 0260699 A2 19880323 - ZANUSSI ZELTRON INST [IT]
- [A] JP 2013050242 A 20130314 - HITACHI APPLIANCES INC
- [A] EP 0691518 A1 19960110 - NIPPON OXYGEN CO LTD [JP]
- [A] US 5273801 A 19931228 - BARRY PATRICK J [US], et al

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

Designated extension state (EPC)
BA ME

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

DOCDB simple family (application)
EP 14158619 A 20140310; BR 102014005925 A 20140313