

Title (en)
TEMPERATURE CONTROLLED PACKAGING

Title (de)
TEMPERATURISOLIERTE VERPACKUNG

Title (fr)
EMBALLAGE À TEMPÉRATURE CONTRÔLÉE

Publication
EP 3190361 A1 20170712 (EN)

Application
EP 17150694 A 20170109

Priority
GB 201600308 A 20160108

Abstract (en)
a thermally insulated product delivery container (PDC), including therewithin a rigid shell defining a hollow tube containing wool, first and second tube-end closure boxes containing wool to thereby collectively define an inner void for receiving at least one phase change material container for providing a temperature controlled condition within the void in the presence of a phase change material (PCM), and at least one thermal baffle positionable between the or each phase c

IPC 8 full level
F25D 3/00 (2006.01); **B65D 81/38** (2006.01)

CPC (source: EP GB US)
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F25D 3/08 (2013.01 - EP GB US); **F25D 3/14** (2013.01 - GB); **F25D 17/042** (2013.01 - US); **F25D 2201/12** (2013.01 - US);
F25D 2201/124 (2013.01 - GB); **F25D 2303/082** (2013.01 - US); **F25D 2303/083** (2013.01 - EP US); **F25D 2303/0844** (2013.01 - EP US);
F25D 2317/0411 (2013.01 - US)

Citation (search report)

- [IP] GB 2537894 A 20161102 - THE WOOL PACKAGING COMPANY LTD [GB]
- [Y] US 2014021208 A1 20140123 - ANTI ALEX N [US], et al
- [Y] WO 2014068290 A1 20140508 - WOOL PACKAGING COMPANY LTD [GB]
- [Y] WO 9717580 A1 19970515 - PURDUM HOWARD E [US]
- [A] WO 2008137883 A1 20081113 - ENTROPY SOLUTIONS INC [US], et al
- [A] WO 2011075198 A1 20110623 - MINNESOTA THERMAL SCIENCE LLC [US], et al

Cited by
CN107618760A; CN112224613A; CN114585917A; WO2021213945A1; US11878055B1; WO2022109652A1; US11547673B1; US11925694B2

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

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BA ME

DOCDB simple family (publication)
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GB 201600308 D0 20160224; GB 2546257 A 20170719; NZ 728140 A 20210226; US 2017198959 A1 20170713

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