

Title (en)
PACKAGING DEVICE AND METHOD FOR ABSORBING MOISTURE

Title (de)
VERPACKUNGSVORRICHTUNG UND VERFAHREN ZUR ABSORPTION VON FEUCHTIGKEIT

Title (fr)
DISPOSITIF D'EMBALLAGE ET PROCEDE D'ABSORPTION D'HUMIDITE

Publication
EP 1601573 A4 20070801 (EN)

Application
EP 04709445 A 20040209

Priority
• US 2004003745 W 20040209
• US 44567303 P 20030207

Abstract (en)
[origin: WO2004071871A2] A packaging device and method for absorbing and reducing moisture as well as a manufacturing process for such device. The packaging device is a container made from paperboard such as containerboards or linerboards with a corrugated medium. The paperboard is insulated with moisture absorbing additives comprising charcoal, activated charcoal, activated carbon, or substances mostly comprised of carbon. Perforations may be added in the boards to further permit moisture to reach the corrugated medium, permitting further absorption by the additives embedded within the corrugated medium in between the boards. This packaging device and method is favorable for storing or transporting objects which are sensitive to or would benefit from low moisture/humidity conditions.

IPC 8 full level
A23L 5/20 (2016.01); **B65B 1/00** (2006.01); **A23L 29/20** (2016.01); **B65D 81/26** (2006.01); **D21H 27/10** (2006.01); **D21H 27/30** (2006.01); **D21H 17/04** (2006.01); **D21H 19/44** (2006.01); **D21H 23/36** (2006.01)

CPC (source: EP)
B65D 81/264 (2013.01); **D21H 27/10** (2013.01); **D21H 17/04** (2013.01); **D21H 19/44** (2013.01); **D21H 23/36** (2013.01)

Citation (search report)
• [PX] WO 03059610 A1 20030724 - NEILL KEVIN J O [US], et al
• [Y] US 4259092 A 19810331 - MATSUO TATSUKI, et al
• [Y] DATABASE WPI Week 198833, Derwent World Patents Index; AN 1988-232830, XP002438723
• See references of WO 2004071871A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004071871 A2 20040826; **WO 2004071871 A3 20050414**; AU 2004212474 A1 20040826; BR PI0407291 A 20060131; CA 2523772 A1 20040826; CN 1756489 A 20060405; EP 1601573 A2 20051207; EP 1601573 A4 20070801; JP 2006517170 A 20060720; NO 20054162 D0 20050907; NO 20054162 L 20051027

DOCDB simple family (application)
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