

Title (en)

A CHILD RESISTANT CARTON PACKAGE

Title (de)

KINDERSICHERER VERPACKUNGSKARTON

Title (fr)

EMBALLAGE EN CARTON DU TYPE SECURITE-ENFANTS

Publication

**EP 1685029 A1 20060802 (EN)**

Application

**EP 04798316 A 20041122**

Priority

- FI 2004000707 W 20041122
- FI 20031693 A 20031120

Abstract (en)

[origin: WO2005049437A1] The invention relates to a child resistant carton package for a pharmaceutical or like dangerous product. The package comprises an outer sleeve (2), an insert (3) that can be slidingly drawn out of the sleeve, the insert carrying the packaged product, and a locking mechanism (7, 9) between the sleeve and the insert. According to the invention at least the outer sleeve (2) is made of board reinforced with extrusion coated polymer to increase its resistance to tearing. The board may have a reinforcing layer of a tough polymer such as polyester, preferably on both sides of the board. There may also be a coextruded outer heat seal layer of polyolefine. The cutting edges may be protected with a polymer shield against delamination of the board. The same extrusion coated board can be used also for the inner sleeve.

IPC 8 full level

**B65D 5/38** (2006.01); **B65D 5/42** (2006.01); **B65D 50/04** (2006.01)

IPC 8 main group level

**B65D** (2006.01)

CPC (source: EP)

**B65D 5/38** (2013.01); **B65D 2215/02** (2013.01)

Citation (search report)

See references of WO 2005049437A1

Citation (examination)

- WO 9853141 A1 19981126 - CARGILL INC [US]
- WO 03033261 A1 20030424 - INT PAPER CO [US]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

LT LV

DOCDB simple family (publication)

**WO 2005049437 A1 20050602**; AU 2004291363 A1 20050602; BR PI0416833 A 20070213; CA 2546608 A1 20050602; CN 1902097 A 20070124; EP 1685029 A1 20060802; FI 20031693 A0 20031120; FI 20031693 A 20050521; JP 2007511435 A 20070510; RU 2006116412 A 20071227

DOCDB simple family (application)

**FI 2004000707 W 20041122**; AU 2004291363 A 20041122; BR PI0416833 A 20041122; CA 2546608 A 20041122; CN 200480034138 A 20041122; EP 04798316 A 20041122; FI 20031693 A 20031120; JP 2006540489 A 20041122; RU 2006116412 A 20041122