

Title (en)

Tightly sealed paper container with opening device.

Title (de)

Dicht versiegelter Papierbehälter mit Öffnungseinrichtung.

Title (fr)

Récipient scellé en papier, muni d'un dispositif d'ouverture.

Publication

**EP 0444862 A1 19910904 (EN)**

Application

**EP 91301513 A 19910226**

Priority

JP 2034090 U 19900228

Abstract (en)

A tightly sealed paper container, comprising a through hole is formed in a container material (3) laminated with thermoplastic synthetic resin layers (4),(5) provided on the front and rear surfaces thereof, a bottom board (8) of the resin and having a through hole (6) substantially equal to the through hole (6) is bonded to the front surface of the container such that the through hole of the bottom board (9) substantially coincides with the through hole (6) of the container material (3), a top board (11) of the resin and having a coupling projection (12), the outer periphery of which is at least partially coupled in pressure contact into the through hole of the bottom board (8), is superposed on the bottom board with the coupling projection coupled into the through hole of the bottom board, and a barrier film (14) covering the through hole of the container material is laminated on the rear surface of the container, the barrier film being bonded to the rear surface of the container and the top surface of the coupling projection.  
<IMAGE>

IPC 1-7

**B65D 5/70**; **B65D 5/72**

IPC 8 full level

**B65D 5/74** (2006.01); **B65D 5/06** (2006.01); **B65D 5/70** (2006.01); **B65D 5/72** (2006.01); **B65D 17/50** (2006.01)

CPC (source: EP US)

**B65D 5/068** (2013.01 - EP); **B65D 5/708** (2013.01 - EP); **B65D 5/727** (2013.01 - EP); **B65D 5/749** (2013.01 - EP); **B65D 17/503** (2013.01 - EP US)

Citation (search report)

- [X] US 4770325 A 19880913 - GORDON ROBERT L [US], et al
- [Y] US 4407424 A 19831004 - HEYN WILLIAM M [US]
- [A] EP 0291112 A2 19881117 - PROCTER & GAMBLE [US]
- [A] EP 0214791 A2 19870318 - MINNESOTA MINING & MFG [US]
- [A] EP 0155738 A2 19850925 - TETRA PAK INT [SE]

Cited by

DE4340553A1; EP0577865A1; EP0755862A3; GB2316938A; DE19635088A1; DE19635088C2; EP0658480A1; US5484101A; CN106458364A; RU2683828C2; ES2174703A1; DE19635089A1; AU2006267552B2; EP1902967A4; EP0558946A1; US5364019A; AU661759B2; NO20210492A1; US7191931B2; WO2007007700A1; WO0226572A1; WO0176958A1; WO2004052737A1; WO9700206A1; WO2015169656A1; WO9738910A1; EP0712786B2

Designated contracting state (EPC)

DE FR GB SE

DOCDB simple family (publication)

**EP 0444862 A1 19910904**; **EP 0444862 B1 19940824**; **EP 0444862 B2 19980401**; DE 69103550 D1 19940929; DE 69103550 T2 19950209; DE 69103550 T3 19980709; JP H03111936 U 19911115; JP H0627542 Y2 19940727

DOCDB simple family (application)

**EP 91301513 A 19910226**; DE 69103550 T 19910226; JP 2034090 U 19900228