

Title (en)
CARDBOARD PACKAGE, METHOD AND APPARATUS TO PRODUCE SUCH A PACKAGE

Publication
EP 0547449 A3 19930728 (DE)

Application
EP 92120695 A 19921204

Priority
DE 4141678 A 19911217

Abstract (en)
[origin: EP0547449A2] 2.1. In packages made of (thin) cardboard, projections (10), stops etc. are to be mounted in package walls for various reasons. Projections (10) are arranged on the side walls (17, 18) for supporting a collar (13) in the box part (11) of a hinged box. Said projections consist of a transversely directed punch-cut (21) and a curvature adjoining the latter and formed by shaping the material (cardboard). 2.2. A projection (10) constructed in this manner is produced in a single operation by punching and shaping (embossing) by means of an appropriate tool (punching piece 24) in conjunction with a counter-tool (counter-cylinder 28) during the continuous conveying of a blank. <IMAGE>

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B65D 5/42; **B31B 17/14**; **B31B 9/14**; **B65D 85/10**

IPC 8 full level
B26F 1/00 (2006.01); **B26F 1/20** (2006.01); **B31B 1/14** (2006.01); **B31B 1/74** (2006.01); **B31B 3/00** (2006.01); **B31B 9/14** (2006.01); **B31B 17/14** (2006.01); **B31B 50/20** (2017.01); **B65D 5/42** (2006.01); **B65D 5/66** (2006.01); **B65D 85/10** (2006.01)

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B26F 1/20 (2013.01 - EP US); **B65D 5/662** (2013.01 - EP US); **B31B 50/064** (2017.07 - EP US); **B31B 50/146** (2017.07 - EP US); **Y10T 83/4838** (2015.04 - EP US)

Citation (search report)

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EP 0547449 A2 19930623; **EP 0547449 A3 19930728**; **EP 0547449 B1 19950920**; DE 4141678 A1 19930701; DE 59203760 D1 19951026; JP 2618167 B2 19970611; JP H0639797 A 19940215; US 5336154 A 19940809; US 5439167 A 19950808

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