

Title (en)
PROCEDURE, WELS AND DEVICE FOR MANUFACTURING OF PRECUT PACKAGING

Publication
EP 0291692 A3 19900711 (DE)

Application
EP 88105942 A 19880414

Priority
DE 3716897 A 19870520

Abstract (en)
[origin: EP0291692A2] In the manufacture of packages, in particular folding boxes, of rigid packaging material (thin cardboard), individual blanks were hitherto delivered in stacks and introduced successively into the packaging machine. To facilitate the handling of the blanks and to increase the storage capacity, the blanks (23) are now interconnected by means of residual joints (25) to form a continuous web of material (24) wound as a reel (30). Inside the packaging machine, the blanks are successively separated from the web of material (24) by removing the residual joints, preferably by tearing. The residual joints (25) are formed in a region of the blanks (23) or in the region of folding tabs thereof, which are concealed by other folding tabs, that is to say lie on the inside, when the package (folding box) is complete. <IMAGE>

IPC 1-7
B31B 3/14

IPC 8 full level
B31B 1/14 (2006.01); **B31B 1/26** (2006.01); **B31B 3/14** (2006.01); **B31B 50/02** (2017.01); **B31B 50/04** (2017.01); **B31B 50/16** (2017.01); **B65B 19/22** (2006.01); **B65D 5/00** (2006.01); **B65D 85/10** (2006.01); **B65D 85/67** (2006.01); **B65H 18/28** (2006.01); **B65H 75/02** (2006.01)

CPC (source: EP US)
B65B 19/228 (2013.01 - EP US); **B65D 5/00** (2013.01 - EP US); **B65D 85/1045** (2013.01 - EP US); **B65H 18/28** (2013.01 - EP US); **B31B 50/022** (2017.08 - EP US); **B31B 50/16** (2017.08 - EP US); **B65D 2301/10** (2013.01 - EP US); **Y10S 493/91** (2013.01 - EP US); **Y10S 493/911** (2013.01 - EP US); **Y10T 83/0222** (2015.04 - EP US); **Y10T 225/35** (2015.04 - EP US); **Y10T 428/15** (2015.01 - EP US); **Y10T 428/24298** (2015.01 - EP US); **Y10T 428/24314** (2015.01 - EP US); **Y10T 428/31993** (2015.04 - EP US)

Citation (search report)
• [X] EP 0187323 A1 19860716 - FOCKE & CO [DE]
• [A] DE 1802706 A1 19711216 - HASSIA VERPACKUNG AG
• [A] DE 2646421 A1 19780413 - ROLLER GESCHAEFTSFUEHRUNG GMBH
• [A] DE 647889 C 19370715 - HOLWEG CONST MEC
• [A] DE 470357 C 19290111 - TELLSCHOW GEB, et al
• [A] DE 421009 C 19251102 - PAUL HICKMANN
• [A] FR 2119456 A6 19720804 - FT PRODUCTS LTD
• [A] US 4654878 A 19870331 - LEMS PETER [US]

Cited by
EP0885809A1; DE3926621A1; EP0399250A1; DE3916756A1; US6206815B1; EP0312887B1; EP0514951B1; EP0312877B1

Designated contracting state (EPC)
DE FR GB IT NL SE

DOCDB simple family (publication)
EP 0291692 A2 19881123; EP 0291692 A3 19900711; EP 0291692 B1 19930707; BR 8802443 A 19881213; CA 1288989 C 19910917; CN 1021307 C 19930623; CN 1027877 C 19950315; CN 1065238 A 19921014; CN 88102949 A 19881130; DE 3716897 A1 19881215; DE 3716897 C2 20011122; DE 3854274 D1 19950907; DE 3882170 D1 19930812; EP 0497390 A2 19920805; EP 0497390 A3 19930505; EP 0497390 B1 19950802; JP 2542043 B2 19961009; JP S63290724 A 19881128; US 4898569 A 19900206; US 5316811 A 19940531; US 5322235 A 19940621

DOCDB simple family (application)
EP 88105942 A 19880414; BR 8802443 A 19880519; CA 565270 A 19880427; CN 88102949 A 19880519; CN 92102680 A 19920416; DE 3716897 A 19870520; DE 3854274 T 19880414; DE 3882170 T 19880414; EP 92107191 A 19880414; JP 11032488 A 19880506; US 18464088 A 19880421; US 42721589 A 19891024; US 90288892 A 19920623