

Title (en)
METHOD AND MACHINE FOR THE PRODUCTION OF POLYGONAL BOXES FROM SHEET MATERIAL AND BOXES OBTAINED THEREBY

Publication
EP 0334707 B1 19930721 (FR)

Application
EP 89400662 A 19890309

Priority
FR 8803719 A 19880322

Abstract (en)
[origin: EP0334707A1] Method and machine for the production of a polygonal box from a blank (1) of sheet material comprising a set of panels (2, 3, 4, 5). <??>According to the invention: - the said set of panels (2 to 5) is rolled about a mandrel having a polygonal cross section; - the tongue (9) is fixed to the free edge (19) of the end panel (5); - the flaps (11.2 to 11.5) on the same side as the said panels (2 to 5) are folded; and - the said flaps (11.2 to 11.5) thus folded are fixed to each other. <??>Manufacture of American boxes. <IMAGE>

IPC 1-7
B31B 3/28

IPC 8 full level
B31B 3/00 (2006.01); **B31B 3/28** (2006.01)

CPC (source: EP KR US)
B31B 50/00 (2017.07 - EP US); **B31B 50/28** (2017.07 - KR); **B31B 50/282** (2017.07 - EP KR US); **B31B 50/066** (2017.07 - EP US); **B31B 50/07** (2017.07 - EP US); **B31B 50/28** (2017.07 - EP US); **B31B 2100/0022** (2017.07 - EP US)

Cited by
US11097504B2; CN105383089A; FR2899873A1; EP0406183A1; US5704540A; FR2665421A1; US5160307A; EP0549837A1; EP0965441A1; EP0468860A1; FR2665137A1; WO2018069618A1; WO2018069614A1; WO2007116150A3; US8430296B2; US9662851B2; WO2018069647A2; EP4107103B1

Designated contracting state (EPC)
AT BE CH DE ES GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0334707 A1 19890927; EP 0334707 B1 19930721; AT E91662 T1 19930815; AU 3114589 A 19890928; AU 604411 B2 19901213; CA 1326153 C 19940118; DE 334707 T1 19930408; DE 68907622 D1 19930826; DE 68907622 T2 19931209; DK 100489 A 19890923; DK 100489 D0 19890302; DK 172144 B1 19971124; ES 2044155 T3 19940101; FI 87903 B 19921130; FI 87903 C 19930310; FI 891323 A0 19890321; FI 891323 A 19890923; FR 2629012 A1 19890929; FR 2629012 B1 19940114; HU 205730 B 19920629; HU T54561 A 19910328; IE 64249 B1 19950726; IE 890635 L 19890922; IL 89470 A0 19890910; JP 2529731 B2 19960904; JP H0222043 A 19900124; KR 890014253 A 19891023; KR 960010447 B1 19960801; NO 175890 B 19940919; NO 175890 C 19941228; NO 891246 D0 19890321; NO 891246 L 19890925; NZ 228204 A 19901221; OA 08989 A 19901130; PT 90073 A 19891110; PT 90073 B 19940331; US 4932930 A 19900612

DOCDB simple family (application)
EP 89400662 A 19890309; AT 89400662 T 19890309; AU 3114589 A 19890308; CA 594500 A 19890322; DE 68907622 T 19890309; DE 89400662 T 19890309; DK 100489 A 19890302; ES 89400662 T 19890309; FI 891323 A 19890321; FR 8803719 A 19880322; HU 137589 A 19890321; IE 63589 A 19890228; IL 8947089 A 19890303; JP 5987189 A 19890314; KR 890003512 A 19890321; NO 891246 A 19890321; NZ 22820489 A 19890303; OA 59544 A 19890322; PT 9007389 A 19890321; US 32156289 A 19890309