

Title (en)  
IMPROVEMENTS IN CARTON BLANKING UNITS

Title (de)  
VERBESSERUNGEN AN VORRICHTUNGEN ZUR HERSTELLUNG VON KARTONZUSCHNITTEN

Title (fr)  
AMELIORATIONS RELATIVES A DES ORGANES DE DECOUPAGE D'EBAUCHES DE BOITES EN CARTON

Publication  
**EP 0693020 A4 19960717 (EN)**

Application  
**EP 94913366 A 19940405**

Priority  
• GB 9307211 A 19930406  
• US 9403732 W 19940405

Abstract (en)  
[origin: WO9422644A1] A blanking unit (10, 10a) for striking carton blanks from a sheet(s) of material comprises a top blanking frame (12) and a bottom blanking frame (14). The top blanking frame is vertically reciprocal relative to the bottom blanking frame so as to strike blanks from the sheet material when interposed between the frames. The bottom frame is formed with cutting edges (W1-W6; R1, R2) to shear through the sheet and the top frame is furnished with a number of profile plates (P1-P4) one for each blank (B1-B4) to be struck. Each profile plate conforms substantially to the general profile of the blank it is to strike and is adjustable in relation to that blank and relative to the remainder of the sheet.

IPC 1-7  
**B26D 1/553**

IPC 8 full level  
**B26D 1/553** (2006.01); **B26D 7/18** (2006.01); **B26F 1/38** (2006.01)

CPC (source: EP KR)  
**B26D 1/553** (2013.01 - KR); **B26D 7/18** (2013.01 - EP); **B26D 7/1818** (2013.01 - EP)

Citation (search report)  
• [XY] EP 0384675 A2 19900829 - NIPPON DIE STEEL KK [JP], et al  
• [YA] FR 2391823 A1 19781222 - BOBST FILS SA J [CH]  
• See references of WO 9422644A1

Cited by  
CN108858389A; US10538374B2

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)  
**WO 9422644 A1 19941013**; AT E190893 T1 20000415; AU 6555694 A 19941024; AU 682180 B2 19970925; CA 2159902 A1 19941013; CN 1044217 C 19990721; CN 1123012 A 19960522; CZ 261295 A3 19960417; CZ 287015 B6 20000816; DE 69423614 D1 20000427; DE 69423614 T2 20000713; DK 0693020 T3 20000703; EP 0693020 A1 19960124; EP 0693020 A4 19960717; EP 0693020 B1 20000322; ES 2144518 T3 20000616; FI 112335 B 20031128; FI 954740 A0 19951005; FI 954740 A 19951205; GB 9307211 D0 19930526; GR 3033320 T3 20000929; HU 214997 B 19980828; HU 9502914 D0 19951228; HU T72690 A 19960528; JP H08508451 A 19960910; KR 100321524 B1 20020513; KR 960701838 A 19960328; NO 308512 B1 20000925; NO 953966 D0 19951005; NO 953966 L 19951027; NZ 265188 A 19970922; PL 173966 B1 19980529; PL 310999 A1 19960122; PT 693020 E 20000630; RU 2126319 C1 19990220; SK 124995 A3 19960807

DOCDB simple family (application)  
**US 9403732 W 19940405**; AT 94913366 T 19940405; AU 6555694 A 19940405; CA 2159902 A 19940405; CN 94192080 A 19940405; CZ 261295 A 19940405; DE 69423614 T 19940405; DK 94913366 T 19940405; EP 94913366 A 19940405; ES 94913366 T 19940405; FI 954740 A 19951005; GB 9307211 A 19930406; GR 20000401004 T 20000426; HU 9502914 A 19940405; JP 52247194 A 19940405; KR 19950704396 A 19951005; NO 953966 A 19951005; NZ 26518894 A 19940405; PL 31099994 A 19940405; PT 94913366 T 19940405; RU 95119583 A 19940405; SK 124995 A 19940405