

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
26 October 2006 (26.10.2006)

PCT

(10) International Publication Number
WO 2006/112767 A1

(51) International Patent Classification:
B31F 1/10 (2006.01) **B31B 1/25** (2006.01)

(21) International Application Number:
PCT/SE2006/000404

(22) International Filing Date: 4 April 2006 (04.04.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0500897-4 19 April 2005 (19.04.2005) SE

(71) Applicant (for all designated States except US): **TETRA LAVAL HOLDINGS & FINANCE S.A.** [CH/CH]; Av. Général Guisan 70, CH-1009 Pully (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **JUST, Magnus** [SE/SE]; Vidablick 61, S-261 62 Glumslöv (SE). **WENNBOM, Michael** [SE/SE]; Södra Kvistoftavägen 35, S-261 63 Glumslöv (SE).

(74) Agent: **SUNDELL, Håkan**; AB Tetra Pak, Central Patent Department, Ruben Rausing's Gata, S-221 86 Lund (SE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

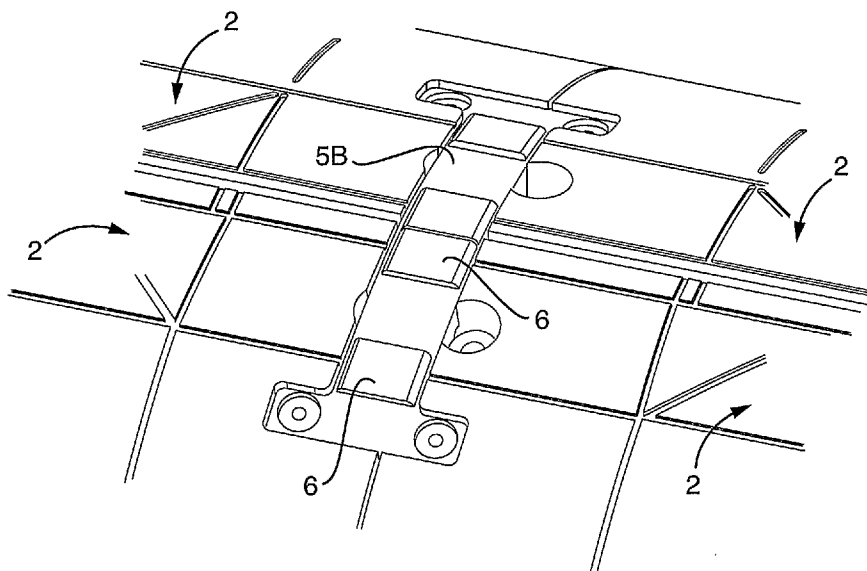
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND ARRANGEMENT IN CARDBOARD CREASING



(57) Abstract: The present invention relates to a method and an arrangement in a cardboard creasing machine performing creases on a cardboard blank web (7). The web has a width of at least two lanes of blanks in parallel to each other and comprise in at least one zone per pair of lanes an area where intentional creases on both are made transversally to a feeding direction of the machine. The crease-lines are on the male side interrupted to provide a longitudinal seal strip to an edge of each blank to become. The cardboard web (7) is in a limited area of such an interruption intentionally and positively lifted and supported from the side of a female crease die to a level in between being in line with to being above an outermost surface of a female crease die roller of the machine.

WO 2006/112767 A1