

Title (en)
APPARATUS AND METHOD TO MAKE BLANKS

Title (de)
VORRICHTUNG UND VERFAHREN ZUM STANZEN VON ZUSCHNITTEN

Title (fr)
MACHINE ET PROCEDE POUR LA FABRICATION DE POSES

Publication
EP 2668009 B1 20160330 (EN)

Application
EP 12707897 A 20120124

Priority
• IT MI20110091 A 20110126
• IB 2012000093 W 20120124

Abstract (en)
[origin: WO2012101498A1] Apparatus (20) to make blanks (30; 130) starting from a sheet (5) of material fed by feed means (1, 2) in a direction of feed (A), comprising etching and cutting means (3, 4) suitable to perform etchings (31; 131) and/or longitudinal cuts (32; 132, 135) on said sheet (5), parallel to said direction of feed (A), and cropping means (8) suitable to shear the sheet (5) so as to separate said blank (30; 130) from it, characterized in that said etching and cutting means (3, 4) comprise a first roller (3) to which at least a second roller (4), parallel to said first roller (3) is associated, and in that said first roller (3) comprises a first portion (3a), substantially in the form of a hollow body, and a second portion (3b), substantially conformed as an internal bar, coaxial to said hollow body, said first portion (3a) being provided with cutter means (9) on an external surface (19) and being removably associated with said second portion (3b).

IPC 8 full level
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Citation (examination)
• CN 201685489 U 20101229 - GUANGZHOU KESHENGLONG CARTON PACKING MACHINERY CO LTD
• DE 3230833 A1 19840223 - CORTEC WELLPAPPENMASCHINENHAND [DE]
• DE 3500547 A1 19860710 - FOCKE & CO [DE]
• DE 2447916 A1 19750703 - GD SPA

Citation (opposition)
Opponent : G.D Società per Azioni
• EP 1103369 A2 20010530 - FOCKE & CO [DE]
• CN 201685489 U 20101229 - GUANGZHOU KESHENGLONG CARTON PACKING MACHINERY CO LTD
• US 4715847 A 19871229 - FOCKE HEINZ [DE], et al
• US 3972271 A 19760803 - SERAGNOLI ENZO
• EP 1698450 A1 20060906 - GD SPA [IT]
• WO 0160730 A2 20010823 - IND AUTOMATION SYSTEMS LTD [GB], et al
• WO 02092295 A1 20021121 - IND AUTOMATION SYSTEMS LTD [GB], et al
• US 4580492 A 19860408 - TROYAN PETER B [US], et al
• US 4967659 A 19901106 - GOODWIN EBER L [US], et al
• US 3921524 A 19751125 - RITCHIE WAYNE W
• US 3093070 A 19630611 - BEAVER MILLARD B
• US 2358674 A 19440919 - WEBER EMIL R
• US 4205887 A 19800603 - KOBLEK INGO [DE]
• "Manual of the support 36 PE 43", G.D A COESIA COMPANY, 2 March 2005 (2005-03-02), XP055336682

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