

Title (en)
DEVICE FOR STRIPPING PRINTED PRODUCTS OF THE DELIVERY FANS OF A FOLDING APPARATUS

Publication
EP 0059873 B1 19850424 (DE)

Application
EP 82101350 A 19820223

Priority
DE 3108681 A 19810307

Abstract (en)
[origin: US4434979A] Printed goods (8,8") are aligned and positioned in predetermined staggered or shingled or imbricated arrangement on a transport conveyor (7,15) by placing, between distribution wheels (1,1') located axially spaced on a shaft (2,2'), a group of abutment wheels (4,4') which rotate with the distribution wheels but at a slower speed, for example by having an internal gearing matching a gear wheel (5) located on the shaft (2), the abutment wheels (4,4') being eccentrically positioned with respect to the shaft (2) by being guided in their movement by a disc (3,3') eccentrically positioned with respect to the shaft (2), and held in position by a suitable bracket or the like. These discs (3,3') form cams. The abutment wheels (4,4') are formed with abutment surfaces (6,6',6") against which the printed goods will impinge, to provide for alignment of the front edges and, due to the slower speed of rotation of the abutment wheels, the goods (8") will be pushed out from between adjacent vanes upon continued rotation of both the distribution wheels (1) and the abutment wheels (4). The stagger spacing (x) between adjacent printed elements (8,8',8") will be determined by the spacing between abutments and, if conveyor (7) moves at the same circumferential speed as the abutment wheel, the spacing thereon will be maintained. Grippers (13) can be located to cooperate with the abutments to clamp the leading edge of the printed goods for transport from the distribution wheels independently of gravity, for example to gripper spring (14) of the conveyor chain (15).

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Cited by
EP0638503A1; EP0151972A3; DE102006021361A1; DE102006021361B4; US6131904A; EP0941956A1; EP0408902A1; EP0164440A1; AU573636B2; EP0307889A3; EP0312749A3; US4886264A

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