

Title (en)

Device for guiding moving sheets as well as their use.

Title (de)

Vorrichtung zum Führen von bewegten Bogen sowie deren Verwendung.

Title (fr)

Dispositif pour le guidage de feuilles en mouvement ainsi que son utilisation.

Publication

EP 0418456 B1 19931222 (DE)

Application

EP 90104711 A 19900313

Priority

DE 3931522 A 19890921

Abstract (en)

[origin: EP0418456A1] In a device for guiding sheets (1) made of paper or other sheet materials which are moved by drivable conveying means (10, 11, 12) and which has a straightedge (7) and a ball strip (8) which runs parallel to the straightedge and the individual balls (13) of which rest non-positively on the conveying means and the sheets moved above them, the starting force component of the conveyed sheets towards the straightedge as well as the peripheral speed and direction of rotation of the balls are to be kept as constant as possible and the danger thus reduced of the sheets straying from the straightedge. This is achieved in that there are arranged on the side of the balls facing away from the conveying means rotatable load elements (14) which are subject to the action of a spring force and which touch non-positively the surface of the balls assigned to them. The device is preferably used for guiding, aligning and holding down folded sheets in folding and printing machines, conveyor tables and sheet feeders. <IMAGE>

IPC 1-7

B65H 9/16

IPC 8 full level

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Cited by

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DE IT

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EP 0418456 A1 19910327; **EP 0418456 B1 19931222**; DD 297620 A5 19920116; DE 3931522 A1 19910404; DE 59003955 D1 19940203; JP 2834300 B2 19981209; JP H03138245 A 19910612; PT 95373 A 19920630; PT 95373 B 19980630

DOCDB simple family (application)

EP 90104711 A 19900313; DD 34384090 A 19900905; DE 3931522 A 19890921; DE 59003955 T 19900313; JP 24899790 A 19900920; PT 9537390 A 19900920