

Title (en)

Device for diverting the advancing direction of paper sheets.

Title (de)

Einrichtung zur Umlenkung der Förderrichtung von Papierblättern.

Title (fr)

Dispositif pour changer la direction du transport de feuilles de papier.

Publication

EP 0212246 A1 19870304 (DE)

Application

EP 86109645 A 19860714

Priority

DE 3525040 A 19850713

Abstract (en)

[origin: EP0212246B1] 1. System for reversing the conveying direction of paper sheets along a conveying route between an input station (11) and a processing or handling station (12), comprising a feeder system (14) whose delivery side terminates on a delivery table (16) comprising a system of driven conveyor rollers (15) whose apices are positioned approximately in the table plane, as well as comprising a swivel guide bar (18) to guide the paper sheet edges which are leading in relation to the conveying direction of the feeder system, laterally in the reversing direction, the axes of said conveyor rollers being inclined with respect to the reversing direction in a manner that the roller conveying direction includes a component directed towards the swivel guide bar, and wherein balls (3) are supported in said swivel guide bar which are respectively associated with said conveyor roller and bear against the apices of said rollers, characterized in that said feeder system (14) is adjustable in parallel to its conveying direction such that the position of its delivery side can be displaced, in accordance with the format of the paper sheets to be handled, relatively to the swivel guide bar stationary at said delivery table, while a continuous guide flange (21) of the profile of said swivel guide bar extends along the leading edges of the guide rollers, which are facing the swivel guide bar, and below the level of the apices of said rollers.

Abstract (de)

Bei einer Einrichtung zur Umlenkung der Förderrichtung von Papierblättern in einer translatorischen Bewegung um 90° zwischen Bearbeitungs- bzw. Handhabungsstationen (11,12) wird ein störungsfreier Betrieb und eine Einstellbarkeit auf unterschiedliche Papierformate dadurch erreicht, daß ein mit schräggestellten angetriebenen Förderwalzen (15) zusammenwirkendes, mit Andrückkugeln (19) ausgerüstetes Leitlineal (18) an einem Ablagetisch feststehend montiert ist und einen kontinuierlichen, unter das Niveau der Walzenscheitel reichenden Führungsflansch (21) besitzt, während die Stellung der Abgabeseite einer Zufördervorrichtung (14), deren Förderrichtung senkrecht zur Längsrichtung des Leitlineals orientiert ist, auf das Leitlineal hin bzw. von dem Leitlineal weg verstellbar ist.

IPC 1-7

B65H 29/58; **B65H 9/04**; **B65H 5/22**; **B65H 29/12**

IPC 8 full level

B65H 9/16 (2006.01); **B65H 29/12** (2006.01); **B65H 29/58** (2006.01)

CPC (source: EP US)

B65H 9/166 (2013.01 - EP US); **B65H 29/12** (2013.01 - EP US); **B65H 29/58** (2013.01 - EP US); **B65H 2301/33** (2013.01 - EP US); **B65H 2301/341** (2013.01 - EP US)

Citation (search report)

- DE 1786252 A1 19720120 - MASCHB OPPENWEILER BINDER & CO
- EP 0075685 A1 19830406 - ROLAND MAN DRUCKMASCH [DE]
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DE3731151A1; EP0581050A1; EP0512278A1; EP0622316A1; US4889333A

Designated contracting state (EPC)

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