

Title (en)

Device for zig-zag folding a paper web.

Title (de)

Vorrichtung zum zickzackförmigen Falten einer Papierbahn.

Title (fr)

Dispositif de pliage en accordéon d'une bande de papier.

Publication

**EP 0379712 B1 19940309 (DE)**

Application

**EP 89123624 A 19891221**

Priority

CH 22389 A 19890125

Abstract (en)

[origin: EP0379712A1] The folding apparatus comprises a rotationally driven drive cylinder (22) which is moved alternately in the one and in the other direction and against which two folding rollers (24, 24') are prestressed. A return barrier (16) is provided in the end region of the feeding channel (12). The two jointly swivellable guide elements (28, 30) have guide rails (32) which are arranged in the manner of a rake and whose free ends are oriented towards one another. In the lower end position the guide rails (32) of the upper guide element (28) protrude into the accumulation space (26) and together with the lower folding roller (24) delimit a passage (42) for the paper web (14). In the upper end position the passage (42) is formed by the upper folding roller (24') and the guide rails (32) of the lower guide element (30). Thus, the paper web (14) is also guided in the accumulation space (26). <IMAGE>

IPC 1-7

**B65H 45/14**; **B65H 45/20**

IPC 8 full level

**B65H 45/14** (2006.01); **B65H 45/20** (2006.01)

CPC (source: EP US)

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Designated contracting state (EPC)

CH DE ES FR IT LI NL

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**EP 0379712 A1 19900801**; **EP 0379712 B1 19940309**; DE 58907187 D1 19940414; ES 2049801 T3 19940501; JP H02261773 A 19901024; JP H0780620 B2 19950830; US 5047003 A 19910910

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