

Title (en)

Folding machine for folding sheet material in a concertina fashion.

Title (de)

Faltmaschine zum Zickzack-Falten von Blattmaterial.

Title (fr)

Plieuse pour plier en accordéon des matériaux en feuilles.

Publication

EP 0171486 A1 19860219 (EN)

Application

EP 84830337 A 19841211

Priority

IT 2083484 A 19840508

Abstract (en)

A folding machine for folding sheet material such as paper in concertina fashion, the sheet material being fed along a path (CE) towards a folding station, where there is a specularly symmetrically arranged roller and endless band arrangement (RM<2> RF<2>; RM<3>, RF<3>; NA<1>, NA<2>; RO and RF<4>, RF<5>) arranged to draw the sheet material firstly in one direction between one of the rollers (RF<5>) and an adjacent working run of one of the endless bands (NA<2>) until a detecting means (CF<1>) is reached, which causes reversal of some components to cause the sheet material to be fed in the opposite direction towards and in between the working run of the other endless band (NA<1>) and its adjacent roller (RF<4>) until another detecting means (CF<2>) is reached. This latter again causes reversal to produce the first fold and the sequence is repeated to fold and layer the sheet material. A roller (RO) is provided to assist during start-up of an operating cycle and is shiftable away from its initial position to a position where it assists in drawing the sheet material in alternate directions as folding proceeds.

IPC 1-7

B65H 45/20

IPC 8 full level

B65H 45/20 (2006.01)

CPC (source: EP)

B65H 45/20 (2013.01); **B65H 2701/11231** (2013.01)

Citation (search report)

- EP 0037650 A1 19811014 - HARPER & TUNSTALL LTD [GB]
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EP2003078A1; EP0645335A1; US10016313B2; WO2016000124A1

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