

Title (en)

Device for zig-zag folding webs.

Title (de)

Einrichtung zum Zickzackfalzen von Bahnen.

Title (fr)

Dispositif de pliage en zig-zag de bandes.

Publication

EP 0051695 A1 19820519 (DE)

Application

EP 80201044 A 19801104

Priority

EP 80201044 A 19801104

Abstract (en)

[origin: US4401428A] A folding apparatus for the zigzag folding of a web includes an oscillating multi-section guide channel device comprising upper and lower funnels pivotally interconnected and a pair of web drawing rolls located in the immediate vicinity of the pivot axis about which the funnels are connected. The lower and upper ends of the walls of the respective funnels lie on opposite sides of the drawing rolls, and at least one of the ends of one of such walls is spaced from the rolls in the direction of web movement for defining at least one opening in the vicinity of such pivot axis for the entry of air into at least one funnel. The proximity of the rollers to the pivot axis and the contoured light weight metal walls reduce inertia forces during oscillating movement of the device and the migration of air with the web facilitate running of the web through the device so as to increase the operating speed of the folding apparatus.

Abstract (de)

Einrichtung zum Zickzackfalzen von Bahnen mit einer aus zwei Teilen (9, 10) bestehenden, mittels Gelenk (11) verbundenen, kanalartigen Führungsvorrichtung. Um eine leichte Ausführungsform zu bekommen, wird die aus Walzen bestehende Zugvorrichtung (21, 22) in der Nähe des Gelenkes (11) angeordnet und sind die Seitenwände (24-27) der Führungsvorrichtung mit Profil versehen. Im Bereich des Gelenkes (11) enthalten die Seitenwände (24-27) eine Öffnung (32) zwischen den Zeilen (9, 10).

IPC 1-7

B65H 45/107

IPC 8 full level

B65H 45/107 (2006.01)

CPC (source: EP US)

B65H 45/107 (2013.01 - EP US); **B65H 2701/11231** (2013.01 - EP US)

Citation (search report)

- DE 1174607 B 19640723 - SPEZIALMASCHINENFABRIK ROBERT
- DE 1070010 B
- DE 1152301 B 19630801 - SPEZIALMASCHINENFABRIK ROBERT

Designated contracting state (EPC)

CH DE FR GB IT NL

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 80201044 A 19801104; DE 3070989 T 19801104; JP 17584881 A 19811104; US 31813081 A 19811104