

Title (en)
DEVICE FOR SUBDIVIDING AN ENDLESS ZIG-ZAG FOLDED PAPER WEB

Publication
EP 0288814 B1 19920513 (DE)

Application
EP 88105782 A 19880412

Priority
• CH 149587 A 19870416
• CH 386787 A 19871002

Abstract (en)
[origin: JPS6445594A] PURPOSE: To quickly separate joint-less paper webs folded in zigzag by arranging a flat cutting member provided with a cutting blade on a horizontal surface between a turning position in a first carrying block and a contact surface in a second carrying block so that it crossess the second carrying block freely to move forward and backward. CONSTITUTION: Paper webs to be carried are dropped on a middle or a high contact surface 11 of a plate 10 through a turning roller 4, and collected between a pair of vertical guide surfaces 8, 9. The plate 10 is dropped in order so that a lamination 6 is formed on the plate 10 at a desirable height between guide means 7, 7'. In this condition, compressed air is supplied to a cylindrical piston unit 19, and a cutter 15 is moved forward so as to cut the following paper web along the folding line of the lamination 6. Thereafter, the plate 10 is dropped to a carrying block 16, and the lamination 6 is placed on the carrying block 16 for discharge. The plate 10 is reset to a position at the end of the upper side, and the cutter 15 is moved backward, and a new lamination on the cutter 15 is placed on the plate 10.

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B65H 31/30; **B65H 45/28**

IPC 8 full level
B65H 45/20 (2006.01); **B26D 1/06** (2006.01); **B65H 45/101** (2006.01)

CPC (source: EP US)
B65H 45/1015 (2013.01 - EP US); **B65H 2701/11231** (2013.01 - EP US); **Y10T 225/379** (2015.04 - EP US)

Cited by
US5226642A; DE19516071A1; EP0452768A1; EP0583826A1; BE1006144A3; US5092236A; EP0399596A1

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