

Title (en)
FLYING TUCK FOLDING DEVICE FLYING TUCK FOLDING DEVICE

Publication
EP 0222150 A3 19880323 (DE)

Application
EP 86113828 A 19861006

Priority
• DE 3538799 A 19851031
• DE 3543868 A 19851212

Abstract (en)
[origin: US4648586A] A gear folder for paper web ribbons utilizes four cooperating cylinders. The paper web is delivered between a cutting cylinder and a pin-holing and grooved bar cylinder where one or more cutting knives sever the web into signatures. The signatures are taken from the pin-holing cylinder by a collecting cylinder that is equipped with controllable pin sets. This collecting cylinder is operable in either straight, collect or double collect production. A bipartite folding blade cylinder, which has a slotted outer casing and a plurality of gear driven folding blades, receives the signatures from the collecting cylinder and causes them to be folded between opposed driven folding rollers. A section stitcher is cooperatively positioned adjacent the pin-holing and grooved bar cylinder.

IPC 1-7
B41F 13/60; **B65H 45/16**

IPC 8 full level
B65H 45/28 (2006.01); **B41F 13/60** (2006.01); **B65H 45/16** (2006.01)

CPC (source: EP US)
B65H 45/161 (2013.01 - EP US); **B65H 45/168** (2013.01 - EP US)

Citation (search report)
• [Y] CH 478666 A 19690930 - KOENIG & BAUER SCHNELLPRESSFAB [DE]
• [Y] US 2891791 A 19590623 - WALTER CHASE CORSON
• [Y] US 2022688 A 19351203 - GEORGE QUICK CECIL, et al
• [A] DE 2530365 B2 19780921

Cited by
EP0592857A3; GB2300625A; US5707054A; GB2300625B

Designated contracting state (EPC)
CH DE FR GB IT LI SE

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US 4648586 A 19870310; DE 3543868 A1 19870507; DE 3670979 D1 19900613; EP 0222150 A2 19870520; EP 0222150 A3 19880323; EP 0222150 B1 19900509; JP 2579305 B2 19970205; JP S62105866 A 19870516

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US 81014185 A 19851218; DE 3543868 A 19851212; DE 3670979 T 19861006; EP 86113828 A 19861006; JP 25707686 A 19861030