

Title (en)
Flying tuck folding device

Title (de)
Räderfalzapparat

Title (fr)
Plieuse à lames engageantes

Publication
EP 0661227 B1 19980401 (DE)

Application
EP 94120169 A 19941220

Priority
DE 4344620 A 19931224

Abstract (en)
[origin: US5551678A] A cylinder folding apparatus for a web-fed rotary printing press utilizes solid cutting and a collecting cylinders to cut a paper web into signatures. A hollow folding drum is provided with an interior folding blade cylinder whose axis of rotation is offset from that of the folding drum. A pair of folding rollers are placed adjacent the folding drum. A stapling device may also be placed adjacent the hollow folding drum. The folding apparatus is intended to cut thick signatures at high production speeds as well as to produce stapled tabloid products.

IPC 1-7
B65H 45/28; **B65H 45/16**

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

CPC (source: EP US)
B65H 45/161 (2013.01 - EP US); **B65H 45/28** (2013.01 - EP US); **B65H 2402/00** (2013.01 - EP US)

Cited by
US7739951B2; WO2006018375A3

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

DOCDB simple family (publication)
US 5551678 A 19960903; DE 4344620 A1 19950629; DE 59405581 D1 19980507; EP 0661227 A1 19950705; EP 0661227 B1 19980401; JP 2788417 B2 19980820; JP H07232862 A 19950905

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US 36157694 A 19941222; DE 4344620 A 19931224; DE 59405581 T 19941220; EP 94120169 A 19941220; JP 31727194 A 19941220