

Title (en)
FOLDING APPARATUS FOR WEB ROTARY PRESS

Publication
EP 0233377 B1 19890719 (EN)

Application
EP 86200263 A 19860220

Priority
EP 86200263 A 19860220

Abstract (en)
[origin: EP0233377A1] A folding apparatus for a web rotary press, which folds signatures obtained by cutting a web by a combination of a cutting cylinder (6) and a pin cylinder (7), has a folding cylinder (12), a gripper cylinder (16), a speed reduction cylinder (19), and a pair of upper and lower transfer cylinders (23, 25). The folding cylinder (12) has pins (13) and insertion blades (14) on an outer surface at equal angular intervals. The pins (13) are alternately arranged with said insertion blades (14). The gripper cylinder (16) has gripper plates (17) and a diameter substantially 1/1.5 times that of said folding cylinder (12). The speed reduction cylinder (19) is rotated at a peripheral velocity lower than that of said gripper cylinder (16) and has gripper units (20). The upper and lower transfer cylinders (23, 25) are rotated at the same peripheral cylinder (19) and have gripper units (24, 26) at surface positions at equal intervals.

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

IPC 8 full level
B41F 13/56 (2006.01); **B41F 13/60** (2006.01); **B65H 45/16** (2006.01)

CPC (source: EP)
B41F 13/56 (2013.01); **B41F 13/60** (2013.01); **B65H 45/168** (2013.01)

Cited by
EP0385818A1; EP0622322A1; US5520378A; CN106536388A; RU2631396C1; AU2014401878B2; WO2016014054A1; US10723582B2

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

DOCDB simple family (publication)
EP 0233377 A1 19870826; EP 0233377 B1 19890719; AT E44690 T1 19890815; DE 3664429 D1 19890824

DOCDB simple family (application)
EP 86200263 A 19860220; AT 86200263 T 19860220; DE 3664429 T 19860220