

Title (en)  
Supplementary printing unit.

Title (de)  
Zusatzdruckwerk.

Title (fr)  
Dispositif d'impression complémentaire.

Publication  
**EP 0234456 B2 19950215 (DE)**

Application  
**EP 87102092 A 19870213**

Priority  
IT 1943286 A 19860217

Abstract (en)  
[origin: US4729309A] An imprinter, particularly for use downstream of a flexographic printing machine, wherein the stubs at the ends of the counterpressure roller which forms part of the web guiding system are suspended on levers. The levers are pivotable about a horizontal axis defined by a pivot member on one or more carriages which are movable in the frame up and down to move the counterpressure cylinder nearer to or further away from two printing cylinders. The printing cylinders flank the counterpressure cylinder and their stubs are removably installed in open-sided sockets which are provided therefor in the sidewalls of the frame. Each printing cylinder receives ink from a discrete source.

IPC 1-7  
**B41F 13/20**; B41F 5/24; B41F 13/46; B41F 9/06

IPC 8 full level  
**B41F 5/24** (2006.01); **B41F 9/00** (2006.01); **B41F 9/06** (2006.01); **B41F 9/08** (2006.01); **B41F 11/00** (2006.01); **B41F 13/00** (2006.01); **B41F 13/20** (2006.01); **B41F 13/24** (2006.01); **B41F 13/46** (2006.01); **B41F 31/30** (2006.01)

CPC (source: EP US)  
**B41F 5/24** (2013.01 - EP US); **B41F 13/20** (2013.01 - EP US); **B41P 2217/13** (2013.01 - EP US)

Cited by  
WO0224458A1; US5447101A; EP0509414A1; DE102007006062B3; FR2705612A1; EP0464309A3; EP0657282A1; US5503069A; DE10352614A1; US5022251A; DE4344365A1; EP0659554A3; EP1092536A1; US5347926A; DE10163963A1; DE10163963B4; EP0352483A3; US6408756B1; US10919289B2; EP3431291A1; CN109263244A; WO9420299A1; WO03039872A1; EP1552924A2; US7086330B2; EP1932665A2; EP1938975A2; EP1938976A2; US7077061B2; US7114439B2; US6736060B2; US7908966B2; EP1175300B2

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

DOCDB simple family (publication)  
**EP 0234456 A2 19870902**; **EP 0234456 A3 19890823**; **EP 0234456 B1 19920923**; **EP 0234456 B2 19950215**; AT E80833 T1 19921015; DE 3781812 D1 19921029; IT 1204804 B 19890310; IT 8619432 A0 19860217; JP 2550047 B2 19961030; JP S62253450 A 19871105; US 4729309 A 19880308

DOCDB simple family (application)  
**EP 87102092 A 19870213**; AT 87102092 T 19870213; DE 3781812 T 19870213; IT 1943286 A 19860217; JP 3257987 A 19870217; US 1539387 A 19870217