

Title (en)  
REMOVABLE PRINTING UNIT FOR OFFSET-PRINTING PRESSES

Publication  
**EP 0305235 B1 19930407 (FR)**

Application  
**EP 88401926 A 19880725**

Priority  
FR 8710972 A 19870803

Abstract (en)  
[origin: JPH01139263A] PURPOSE: To obtain an additional color at every printing cycle in place of numbering by replacing a numbering device provided to a printing press with the blanket cylinder of a printing unit operated along with an inking module. CONSTITUTION: An inking module 16 is supported by two supports 27 and, since the freely detachable caps 28 thereof hold a shaft 29 at a proper place, the inking module 16 follows the slight movement of the shaft 9 of an additional blanket cylinder 7C so as not only to apply pressure at a time of the printing operation of a printing press but also to release pressure at a stop time of a printing press. Since the caps 28 of the supports 27 can move rapidly, the additional blanket cylinder 7C attached to the shaft 9 provided in order to support a number can be rapidly converted and the plate cylinder 17 of the inking module 16 is used in order to apply second color ink.

IPC 1-7  
**B41F 7/08; B41F 7/10**

IPC 8 full level  
**B41F 11/00** (2006.01); **B41F 7/02** (2006.01); **B41F 7/08** (2006.01); **B41F 7/10** (2006.01); **B41F 7/40** (2006.01); **B41F 13/00** (2006.01); **B41F 13/24** (2006.01); **B41F 31/30** (2006.01); **B41F 33/04** (2006.01); **B41F 33/10** (2006.01)

CPC (source: EP US)  
**B41F 7/08** (2013.01 - EP US); **B41F 13/0032** (2013.01 - EP US); **B41F 33/045** (2013.01 - EP US); **B41F 33/10** (2013.01 - EP US)

Cited by  
WO03084755A1; DE19943027C5; EP0714768A1; EP0588188A1; EP2243629A1; US8671836B2; US9403354B2

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

DOCDB simple family (publication)  
**EP 0305235 A1 19890301; EP 0305235 B1 19930407**; AT E87861 T1 19930415; CA 1309295 C 19921027; DE 3880049 D1 19930513; DE 3880049 T2 19930715; ES 2039664 T3 19931001; FR 2619051 A1 19890210; FR 2619051 B1 19891215; JP H01139263 A 19890531; US 4889051 A 19891226

DOCDB simple family (application)  
**EP 88401926 A 19880725**; AT 88401926 T 19880725; CA 573545 A 19880802; DE 3880049 T 19880725; ES 88401926 T 19880725; FR 8710972 A 19870803; JP 19287288 A 19880803; US 22407188 A 19880725