

Title (en)
FORME CYLINDER FOR A ROTARY MACHINE FOR OFFSET PRINTING INCLUDING AN ARRANGEMENT FOR SCANNING THE INKING OF THE PRINTING FORMES ZONE BY ZONE

Publication
EP 0107121 A3 19851211 (DE)

Application
EP 83109933 A 19831005

Priority
DE 3238912 A 19821021

Abstract (en)
[origin: US4530285A] To sense the ink density, in zones, transversely of a plate cylinder while avoiding possible erroneous determination due to transport of contaminants such paper dust or fluff, from the blanket cylinder to the plate cylinder, the attachment groove for the blanket (4) of the blanket cylinder (2) is made wider than the attachment groove (10) for the plate (3) of the plate cylinder (1), to leave a transverse strip (A) extending across the plate, on which sensing fields (12) are applied, for example by printing-on; the sensing fields, located in adjacent zones (Z) will be inked by the inking system (25) of the printing machine and, since out of contact with the blanket, will remain uncontaminated. A densitometer (13) sensing the inking density in the respective fields is translated across the printing cylinder, and sensed values are associated with the measuring fields (12), for example by determining rotation (n(sync)), permitting control of adjustment screws of a doctor blade (24) by suitable servo motors (23).

IPC 1-7
B41F 13/10; **B41F 33/00**

IPC 8 full level
B41F 31/02 (2006.01); **B41F 13/10** (2006.01); **B41F 33/00** (2006.01); **G01B 21/08** (2006.01)

CPC (source: EP US)
B41F 13/10 (2013.01 - EP US); **B41F 33/0027** (2013.01 - EP US); **Y10S 101/45** (2013.01 - EP US); **Y10S 101/47** (2013.01 - EP US)

Citation (search report)

- [Y] DE 2011979 A1 19720413 - REINHARD C OTTO & CIE
- [Y] DE 2119758 A1 19721116
- [AD] FR 1519883 A 19680405 - ETUDES DE MACHINES SPECIALES
- [A] DE 2253957 A1 19730510 - RICOH KK

Cited by
EP0295606A3

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

DOCDB simple family (publication)
DE 3238912 C1 19840315; DE 3378620 D1 19890112; EP 0107121 A2 19840502; EP 0107121 A3 19851211; EP 0107121 B1 19881207; JP H047303 B2 19920210; JP S5998850 A 19840607; US 4530285 A 19850723

DOCDB simple family (application)
DE 3238912 A 19821021; DE 3378620 T 19831005; EP 83109933 A 19831005; JP 19625783 A 19831021; US 54116483 A 19831012