

Title (en)
OFFSET-PRINTING GROUP

Publication
EP 0408972 A3 19910724 (DE)

Application
EP 90112640 A 19900703

Priority
DE 3922559 A 19890708

Abstract (en)
[origin: JPH0342247A] PURPOSE: To prevent a slip between a plate cylinder and an inking cylinder even in the case of a large interval change of shafts by constituting the inking cylinder and the plate cylinder at different diameters to move their surfaces at the same circumferential speed, and connecting a drive gear of a printing machine with a drive gear mounted at the plate cylinder via two intermediate gears. CONSTITUTION: A rubber cylinder 30 and a plate cylinder 31 have different diameters. And, an inking cylinder 32 is wound with a covering material 48 made of a compressible rubber layer. To eliminate a slipping motion at a contact position during operating, the diameter of the cylinder 32 of an operation preparing state is larger than that of the cylinder 31 of the operation preparing state. A shaft 36 of the cylinder 32 is fixedly coupled to a drive motor 45. Since the motor 45 is adjustable, the cylinder 32 can be driven at the same rotational speed as those of the rubber cylinder 30, and the plate cylinder 31. In order to bridge a shaft interval B of the degree for not directly engaging the two intermediate gear having the same partial diameter mounted at shafts 35, 36, a gear 46 has a larger diameter than that of the gear 44.

IPC 1-7
B41F 31/00

IPC 8 full level
B41F 31/14 (2006.01); **B41F 7/02** (2006.01); **B41F 13/00** (2006.01); **B41F 31/00** (2006.01); **B41F 33/00** (2006.01)

CPC (source: EP US)
B41F 31/004 (2013.01 - EP US)

Citation (search report)
• [AD] US 2036835 A 19360407 - SITES BENJAMIN L
• [AD] DE 3117341 A1 19821118 - FRANKENTHAL AG ALBERT [DE]
• [A] US 4428288 A 19840131 - HARPER JAMES R [US], et al

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

DOCDB simple family (publication)
EP 0408972 A2 19910123; EP 0408972 A3 19910724; EP 0408972 B1 19940330; CA 2020083 A1 19910109; CA 2020083 C 19920428; DE 3922559 A1 19910117; DE 3922559 C2 19940324; DE 59005163 D1 19940505; JP H0342247 A 19910222; US 5009158 A 19910423

DOCDB simple family (application)
EP 90112640 A 19900703; CA 2020083 A 19900628; DE 3922559 A 19890708; DE 59005163 T 19900703; JP 17971990 A 19900709; US 54287990 A 19900625