

Title (en)

DRIVE FOR THE DUCTOR ROLLER IN AN INKING- OR DAMPING DEVICE OF AN OFFSET PRINTING PRESS

Publication

EP 0407923 A3 19910424 (DE)

Application

EP 90113002 A 19900707

Priority

DE 3923315 A 19890714

Abstract (en)

[origin: JPH03114837A] PURPOSE: To obtain a smooth plate, especially a plate without lines of a gear profile by moving a loose gear by means of a gear transmitting rotational movement to a distributing roller. CONSTITUTION: A water distributing roller 3 is rotationally driven by a plate cylinder 1 through gears 6 and 7 and the second gear 9 for transmitting a reciprocating movement in the transverse direction to the water distributing roller 3 is rotationally moved by means of the first gear 8 fixed on a supporting leg 15 of the water distributing roller 3. When force is transmitted like this in the driving mechanism of the water distribution roller 3, even if a play is generated between gears by various different arrangements of the plate cylinder 1, a water damping roller 2 and the water distributing roller 3 and even if a slip is generated on the peripheral faces of the rollers caused by various different peripheral speeds and even if the damping roller 2 is penetrated into the cylinder channel of the plate cylinder 1, alternation of gear faces is avoided. Therefore, there exists no possibility of generating a phenomenon wherein vibration generated by a driving apparatus gives lines of a gear profile which lowers quality of printing.

IPC 1-7

B41F 13/14

IPC 8 full level

B41F 7/26 (2006.01); **B41F 7/24** (2006.01); **B41F 31/14** (2006.01); **B41F 31/15** (2006.01)

CPC (source: EP US)

B41F 31/15 (2013.01 - EP US); **Y10S 101/38** (2013.01 - EP US)

Citation (search report)

- [A] US 4796530 A 19890110 - ETCHELL GORDON [US]
- [A] GB 1329204 A 19730905 - TIMSONS LTD

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0407923 A2 19910116; **EP 0407923 A3 19910424**; **EP 0407923 B1 19930818**; AT E93186 T1 19930915; BR 9003377 A 19910827; DE 3923315 A1 19910404; DE 3923315 C2 19911024; DE 59002372 D1 19930923; ES 2044330 T3 19940101; JP H03114837 A 19910516; JP H074935 B2 19950125; US 5025723 A 19910625

DOCDB simple family (application)

EP 90113002 A 19900707; AT 90113002 T 19900707; BR 9003377 A 19900713; DE 3923315 A 19890714; DE 59002372 T 19900707; ES 90113002 T 19900707; JP 18545890 A 19900716; US 55310190 A 19900713