

Title (en)

DAMPING SYSTEM FOR A WEB-FED OFFSET ROTARY PRESS

Publication

**EP 0336178 A3 19900509 (DE)**

Application

**EP 89104864 A 19890318**

Priority

DE 3811288 A 19880402

Abstract (en)

[origin: EP0336178A2] In known damping systems, the damping solution is fed from a damping solution reservoir and passed on by means of transfer rollers to an applicator roller which is positioned directly against a plate cylinder. A uniform film of damping solution is fed to the applicator roller from the transfer rollers. Streaks of excess damping solution are formed on the applicator cylinder because of the clamping channels on the plate cylinder. Furthermore, the applicator roller takes off excess damping solution from the hydrophilic areas of the surface of the plate cylinder and releases it at another point on renewed contact with the plate cylinder. This leads to the undesired formation of streaks in the printed image. In accordance with the invention, the diameter of the damping solution applicator roller (3) relative to that of the plate cylinder (2) is so determined that for n clamping channels, its diameter is a 1/n multiple of or is equal to its diameter. In a further advantageous embodiment, the damping solution applicator roller (3) has a diameter which is an integral multiple, preferably a multiple of one, of the diameter of a transfer roller (4) positioned ahead of it. <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

**B41F 7/26** (2013.01)

Citation (search report)

- [Y] DE 1073002 B
- [A] GB 2035903 A 19800625 - POLYGRAPH LEIPZIG
- [Y] PATENT ABSTRACTS OF JAPAN vol. 7, no. 63 (M-200)(1208) 16 März 1983, & JP-A-57 207064 (KOMORI INSATSU KIKAI K.K.) 18 Dezember 1982,
- [Y] PATENT ABSTRACTS OF JAPAN vol. 6, no. 201 (M-163)(1079) 13 Oktober 1982, & JP-A-57 107837 (AKIYAMA INSATSUKI SEIZOU K.K.) 05 Juli 1982,

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