

Title (en)

Flexographic printing machine particularly for multicolour printing

Title (de)

Flexodruckmaschine, insbesondere für Mehrfarbendruck

Title (fr)

Machine d'impression flexographique en particulier pour l'impression en plusieurs couleurs

Publication

**EP 0676284 B1 19971022 (DE)**

Application

**EP 95103735 A 19950315**

Priority

DE 4410132 A 19940324

Abstract (en)

[origin: US5479855A] A belt-type printing machine, especially for a plurality of colors, comprising at least one printing station (2) containing a frame (1), idler rolls (7) arranged in bearings therein, an impression cylinder (6) for guiding a continuous web (8) to be printed arranged in preferably fixed bearings on the frame (1), a plate cylinder (3), two sprocket wheels (4, 5) coaxially mounted to but not commonly driven with the plate cylinder (3) and at least one tensioning cylinder (10), around which an endless belt (11) extends having at least one flexible printing plate and being provided with perforations for the sprocket wheels (4, 5), wherein an inking assembly (13) allocated to the flexible printing plate of the belt (11), a drive acting upon the sprocket wheels (4, 5) to the belt (11) and an additional single drive (32) acting upon the plate cylinder (3) to the belt (11) for the purpose of avoiding the jump movement between the perforations of the belt and the pins of the sprocket wheels are provided. The two sprocket wheels (4, 5) are idler rollers against each other. The drive of the sprocket wheels (4, 5) is divided into two separately controllable partial drives (18, 24). Measuring devices (21, 27, 22, 28) for determining the instantaneous angular positions of the two sprocket wheels (5, 4) against each other and the instantaneous driving torques of the two partial drives (18, 24) are provided, and controlling means (37) for the controlling of driving torques equal to each other via the two partial drives (18, 24) to the sprocket wheels (5, 4) each and, in case of overriding a limit of these equal driving torques, of an additional torque adapted to the amount of overriding and to be transmitted by the additional single drive (32) of the plate cylinder (3) to the endless belt (11).

IPC 1-7

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