

Title (en)

Method and device for driving a printing cylinder

Title (de)

Verfahren und Vorrichtung zum Antrieb eines Druckzylinders

Title (fr)

Procédé et dispositif d'entraînement d'un cylindre d'impression

Publication

EP 1116582 A1 20010718 (DE)

Application

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Priority

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Abstract (en)

The method involves recording the angular rate and/or the drive torque of the print cylinder over a period of time of at least one complete revolution of the cylinder, deriving a periodic correction signal whose period equals the cylinder rotation period from the recorded signal and driving the motor, which is only associated with the print cylinder, using the correction signal. The method involves recording the angular rate and/or the drive torque of the print cylinder (12) over a period of time of at least one complete revolution of the cylinder, deriving a periodic correction signal (42,44,46) whose period equals the cylinder rotation period from the recorded signal and driving the motor (16), which is only associated with the print cylinder, using the correction signal. The recorded signal is subjected to Fourier analysis and the correction signal is a superimposition of sinusoidal signals whose amplitudes depend on the associated Fourier components. Independent claims are also included for the following: an arrangement for driving a print cylinder.

Abstract (de)

Verfahren zur Steuerung des Antriebs eines Druckzylinders (12) einer Druckmaschine mit Hilfe eines nur diesem Druckzylinder zugeordneten Motors (16), gekennzeichnet durch die folgenden Schritte: Aufzeichnen der Winkelgeschwindigkeit (Ω) und/oder des Antriebsdrehmoments des Druckzylinders (12) über eine Zeitspanne (T) von mindestens einer vollen Druckzylinderumdrehung, Ableiten eines periodischen Korrektursignals (42, 46, 48), dessen Periode gleich der Umdrehungsperiode (T) des Druckzylinders ist, aus dem aufgezeichneten Signal, und Ansteuern des Motors (16) unter Verwendung des Korrektursignals. <IMAGE>

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CPC (source: EP)

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Citation (search report)

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