

Title (en)
Control device for a printing machine drive

Title (de)
Steuerung für den Antrieb einer Druckmaschine

Title (fr)
Dispositif de commande pour un moteur d'entraînement d'une machine à imprimer

Publication
EP 0842769 B1 20010718 (DE)

Application
EP 97116687 A 19970925

Priority
DE 19643252 A 19961019

Abstract (en)
[origin: US5878665A] A control system for controlling the rotational speed of the printing cylinders of a printing machine in order to eliminate register offset or doubling phenomena on the printed matter. The control system uses one or more sensors to determine the operating condition of the printing unit. The relevant operating condition parameters include the frequency of the AC line from which the printing machine operates and the position of the printing cylinders at the time the change in rotational speed is to occur. Based on the operating condition of the printing unit, a controller selects an appropriate timing ramp for increasing or decreasing the rotational speed of the printing cylinders. The various timing ramps are stored on a memory and correspond to the different operating conditions of the printing unit. Once, the appropriate timing ramp has been selected, the controller controls the rotational speed of the drive motor that rotates the printing cylinders in a manner that is proportional to the rate of change and duration characteristics of the selected timing ramp.

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