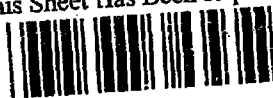


Abstract of the Disclosure

Background of the Invention

A control system (100) for a plate register mechanism (102) for controlling lateral and/or circumferential position of a plate cylinder (104) in a rotary printing press wherein a pulse train signal (154) is generated comprised of a number of pulses representative of desired adjustment of the plate cylinder (104) and the plate register mechanism (102) is activated based on the pulse train signal (154). Preferably, the control system (100) is comprised of a microprocessor (150) for generating the pulse train signal (154) and transmitting the pulse train signal (154) to a drive unit (156). The microprocessor (150) stores the number of pulses sent to the drive unit (156) and uses the number of pulses to determine the instantaneous position of the plate cylinder (104). The drive unit (156) provides drive power (161) to a plurality of relays (162, 164, 166, 168) connected to a plurality of stepper motors (108, 126, 142, 144) based on the pulse train signal (154). The microprocessor (150) energizes one of the relays (162, 164, 166, 168) which, in turn, connects a corresponding one of the stepper motors (108, 126, 142, 144) to the drive power (161). Each of the stepper motors (108, 126, 142, 144) is connected to the plate register mechanism (102) such that the stepper motors (108, 126, 142, 144) operate the plate register mechanism (102) to control the position of the plate cylinder (104).

This Sheet Has Been Replaced



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