

ABSTRACT OF THE DISCLOSURE
CONTROL CIRCUIT FOR A THERMAL PRINTING MACHINE

The invention is directed to a control circuit for a thermal printing machine, with a thermal print head (1) having a series of electrically drivable heating elements (14), with a microprocessor (2) transferring data to be printed into a register (13) associated with the thermal print head (1). In order to increase the printing speed, a buffer storage (15) connected to the microprocessor (2) via a parallel data line as well as a separate load state monitoring circuit (17) are proposed, the monitoring circuit being connected to the buffer storage (15) and causing data to be transferred from the buffer storage (15) into the register (13) when the data written into the buffer storage (15) from the microprocessor (2) has reached a defined quantity.

As an alternative or addition, it is recommended to insert a pulse generator (9) and a stepping motor driver (10) between the output of the microprocessor (2) and the stepping motor (11) for driving the platen roll (12).

- Figure 1 -

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