

Title (en)

Thermal print head driving circuit.

Title (de)

Steuerschaltung für eine Thermodruckmaschine.

Title (fr)

Circuit de commande pour tête d'impression thermique.

Publication

EP 0645249 A3 19971022 (DE)

Application

EP 94113778 A 19940902

Priority

DE 4332572 A 19930924

Abstract (en)

[origin: EP0645249A2] The invention relates to a drive circuit for a thermal printer with a thermal print head (1) with a series of electrically drivable heating elements (14), with a microprocessor (2) which transmits data to be printed to a register (13) which is assigned to the thermal print head (1). In order to increase the printing speed, a buffer (15) which is connected to the microprocessor (2) by means of a parallel data line and a separate charge state monitoring circuit (17) are proposed, which charge state monitoring circuit (17) is connected to the buffer (15) and permits data to be transmitted from the buffer (15) into the register (13) when a defined quantity of data has been written into the buffer (15) by the microprocessor (2). Alternatively, or additionally, it is recommended that a pulse generator (9) and a stepping motor driver (10) be connected between the output of the microprocessor (2) and the stepping motor (11) in order to drive the counterpressure roller (12). <IMAGE>

IPC 1-7

B41J 2/355

IPC 8 full level

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CPC (source: EP US)

B41J 2/355 (2013.01 - EP US); **B41J 2/3555** (2013.01 - EP US)

Citation (search report)

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- [YD] PATENT ABSTRACTS OF JAPAN vol. 9, no. 229 (M - 413) 14 September 1985 (1985-09-14)

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