

Title (en)
THERMAL TRANSFER PRINTER

Publication
EP 0274905 A3 19890208 (EN)

Application
EP 87311447 A 19871224

Priority

- JP 31264186 A 19861227
- JP 31264286 A 19861227
- JP 31264386 A 19861227
- JP 31264486 A 19861227
- JP 31264586 A 19861227
- JP 31264686 A 19861227
- JP 31264786 A 19861227
- JP 31264886 A 19861227
- JP 31265086 A 19861227
- JP 31265186 A 19861227

Abstract (en)
[origin: EP0274905A2] There is a thermal transfer printer for recording dot information by use of heating energies. This printer comprises: a memory (11) in which dot information indicative of a pattern to be recorded is stored; a thermal head (6) to generate heating energies; and a controller to control the generation timing of the heating energies from the thermal head. When the ON-state dot information to be recorded which was stored in the memory does not exist in the first recording cycle and when the ON-state dot information to be recorded in the next second recording cycle exists, the controller controls the thermal head (6) so as to generate the auxiliary heating energies in the first recording cycle prior to the dot information to be recorded. The auxiliary heating energies in the first recording cycle are generated at a timing near the start of the first recording cycle. The recording cycle is decided on the basis of the switching of the excitation phase of a motor to control the movement of the carriage (5) on which the thermal head is mounted. With this printer, the high quality recording can be always performed for various kinds of print ribbons.

IPC 1-7
B41J 3/20

IPC 8 full level
B41J 2/38 (2006.01)

CPC (source: EP)
B41J 2/38 (2013.01)

Citation (search report)

- [A] EP 0113817 A2 19840725 - IBM [US]
- [A] US 4590487 A 19860520 - NOGUCHI AKIO [JP], et al
- [A] IBM TECHNICAL DISCLOSURE BULLETIN, vol. 27, no. 9, February 1985, pages 5132-5137, New York, US; C.J. VOSS: "Energy control system for a resistive ribbon"
- [A] PATENT ABSTRACTS OF JAPAN, vol. 6, no. 142 (M-146)[1020], 31st July 1982; & JP-A-57 63 275 (TOMOEGA WA SEISHIJIYO K.K.) 16-04-1982
- [A] PATENT ABSTRACTS OF JAPAN, vol. 5, no. 166 (M-93)[838], 23rd October 1981; & JP-A-56 89 971 (FUJI XEROX K.K.) 21-07-1981

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EP0444763A1; EP0884189A1; US6043832A

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0274905 A2 19880720; EP 0274905 A3 19890208; EP 0274905 B1 19930310; DE 3784683 D1 19930415; DE 3784683 T2 19930923

DOCDB simple family (application)
EP 87311447 A 19871224; DE 3784683 T 19871224