

Title (en)
SUPPLY CONTROL FOR A HEATING ELEMENT IN A THERMAL PRINTER

Publication
EP 0536526 A3 19930526 (DE)

Application
EP 92114645 A 19920827

Priority
DE 4133207 A 19911007

Abstract (en)
[origin: EP0536526A2] A method for controlling the power supply of a thermoprinting heating element with a sequence of current pulses (I) separated according to a print matrix is described. The current pulses (I) trigger a printing process when a predetermined energy content is exceeded and, if appropriate, bring about preheating when this energy content is undershot. At each matrix time point (t1), in each case a printing requirement is determined for a predetermined number of successive matrix time points (t2, t3), the energy content of the current pulses (I1, I2) being progressively increased for matrix time points (t2, t1) without printing requirement lying ahead of a matrix time point (t3) with printing requirement. When the method is used in a thermoprinter, a high printing speed is achieved. <IMAGE>

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IPC 8 full level
B41J 2/35 (2006.01); **B41J 2/365** (2006.01); **B41J 2/38** (2006.01)

CPC (source: EP US)
B41J 2/35 (2013.01 - EP US); **B41J 2/365** (2013.01 - EP US); **B41J 2/38** (2013.01 - EP US)

Citation (search report)
• [Y] WO 8909382 A1 19891005 - KROY INC [US]
• [A] EP 0329369 A2 19890823 - SHINKO ELECTRIC CO LTD [JP]
• [Y] PATENT ABSTRACTS OF JAPAN vol. 9, no. 206 (M-406)(1929) 23. August 1985 & JP-A-60 067 178 (FUJI XEROX K.K.) 17. April 1985
• [A] PATENT ABSTRACTS OF JAPAN vol. 15, no. 215 (M-1119)31. Mai 1991 & JP-A-3 061 053 (CANON INC) 15. Maerz 1991
• [A] PATENT ABSTRACTS OF JAPAN vol. 11, no. 86 (M-572)(2533) 17. Maerz 1987 & JP-A-61 239 966 (FUJI XEROX CO LTD) 25. October 1986
• [A] PATENT ABSTRACTS OF JAPAN vol. 12, no. 197 (M-706)(3044) 8. Juni 1988 & JP-A-63 004 970 (SHINKO ELECTRIC CO LTD) 09. January 1988

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DE102004027517A1; DE102004027517B4; DE4405134A1; DE4405134C2; US7256804B2; EP1661716A2

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