

Title (en)

HEATER POWER COMPENSATION FOR PRINTING LOAD IN THERMAL PRINTING SYSTEMS

Title (de)

STROMVERSORGUNG DER HEIZELEMENTE IN FUNKTION DER DRUCKLEISTUNG IN THERMISCHEN DRUCKSYSTEMEN

Title (fr)

COMPENSATION DE LA PUISSANCE DE CHAUFFAGE EN FONCTION DE LA CHARGE D'IMPRESSION DANS DES SYSTEMES D'IMPRESSION THERMIQUE

Publication

**EP 0765231 A1 19970402 (EN)**

Application

**EP 96912648 A 19960409**

Priority

- AU PN231695 A 19950412
- US 9604885 W 19960409

Abstract (en)

[origin: WO9632271A1] A method of and apparatus for compensating thermal printing heads which operate in drop on demand mode for the effects of power supply output resistance is disclosed. As the number of printing nozzles which are activated at any time may vary from zero to several thousand, the instantaneous resistive load variations on the power supply would normally be sufficient to cause significant drop size variations. The apparatus compensates for this variation in an accurate predictive manner. The apparatus includes a counter which provides a number representing the number of ink drops which are to be ejected during the current enable period. The output of the counter is connected to a device which determines the power supply voltage required during the enable period. This result is used to control a programmable heater power supply for the print head.

IPC 1-7

**B41J 2/05**

IPC 8 full level

**B41J 2/005** (2006.01); **B41J 2/04** (2006.01); **B41J 2/05** (2006.01); **B41J 2/14** (2006.01)

CPC (source: EP)

**B41J 2/005** (2013.01); **B41J 2/04563** (2013.01); **B41J 2/04568** (2013.01); **B41J 2/04583** (2013.01); **B41J 2/14451** (2013.01)

Citation (search report)

See references of WO 9632271A1

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

**WO 9632271 A1 19961017**; AU PN231695 A0 19950504; EP 0765231 A1 19970402; JP H10501489 A 19980210

DOCDB simple family (application)

**US 9604885 W 19960409**; AU PN231695 A 19950412; EP 96912648 A 19960409; JP 53112096 A 19960409