

Title (en)

Temperature control of thermal ink-jet print heads by using synchronous non-nucleating pulses.

Title (de)

Temperatursteuerung für thermische Tintenstrahldruckköpfe mittels Nichtnukleierungsimpulssignale.

Title (fr)

Réglage de la température pour têtes d'enregistrement thermique à jet d'encre au moyen d'impulsions de non-nucléation synchronisées.

Publication

EP 0650836 A3 19970312 (EN)

Application

EP 94116902 A 19941026

Priority

US 14406993 A 19931027

Abstract (en)

[origin: EP0650836A2] Method and apparatus for heating a printhead by application of ink firing print pulses or non-nucleating heating pulses to ink firing resistors (38) during selected print firing periods wherein either an ink firing print pulse or a heating pulse, but not both, occurs during a selected print firing period.

IPC 1-7

B41J 2/05

IPC 8 full level

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CPC (source: EP)

B41J 2/04528 (2013.01); **B41J 2/04563** (2013.01); **B41J 2/0458** (2013.01)

Citation (search report)

- [DX] EP 0511602 A1 19921104 - HEWLETT PACKARD CO [US]
- [A] EP 0475638 A2 19920318 - HEWLETT PACKARD CO [US]
- [A] EP 0390202 A2 19901003 - CANON KK [JP]
- [DPXA] EP 0600648 A2 19940608 - HEWLETT PACKARD CO [US]

Cited by

EP1188562A1; US6089699A; EP0811496A3; WO2019212500A1; US6568779B1; US6629740B2

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