

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 B1 20000705 (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

B41J 2/175 (2006.01); **B41J 2/05** (2006.01); **B41J 2/125** (2006.01); **H04N 1/23** (2006.01)

CPC (source: EP)

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

Cited by

EP1188562A1; US6089699A; EP0811496A3; WO2019212500A1; US6568779B1; US6629740B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0650836 A2 19950503; **EP 0650836 A3 19970312**; **EP 0650836 B1 20000705**; DE 69425103 D1 20000810; DE 69425103 T2 20001116; JP 3521976 B2 20040426; JP H07178927 A 19950718

DOCDB simple family (application)

EP 94116902 A 19941026; DE 69425103 T 19941026; JP 28432394 A 19941024