

Title (en)

IMPROVEMENTS RELATING TO PULSED DROPLET DEPOSITION APPARATUS

Title (de)

VERBESSERUNGEN AN EINER GEPULSTEN TRÖPFCHEN-NIEDERSCHLAGSVORRICHTUNG

Title (fr)

AMELIORATIONS APORTEES A UN APPAREIL A IMPULSIONS DE DEPOT DE GOUTTELETTES

Publication

EP 0751873 B1 19981111 (EN)

Application

EP 95911395 A 19950316

Priority

- GB 9500562 W 19950316
- GB 9405137 A 19940316
- SG 1996008012 A 19940316

Abstract (en)

[origin: WO9525011A1] The selected ink channels of a drop-on-demand ink jet printer are caused to expand and then contract, ejecting ink droplets by the application of unipolar voltages first to selected channels and then to non-selected channels. Further unipolar voltages, delayed in time by $2L/c$ and scaled by a pressure wave reflection coefficient r of the nozzle, effect prompt cancellation of residual pressure waves so that adjacent channels are ready for actuation with minimum delay.

IPC 1-7

B41J 2/055

IPC 8 full level

B41J 2/045 (2006.01); **B41J 2/055** (2006.01)

CPC (source: EP)

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WO 9525011 A1 19950921; CA 2184076 A1 19950921; CA 2184076 C 20050809; DE 69505960 D1 19981217; DE 69505960 T2 19990408; EP 0751873 A1 19970108; EP 0751873 B1 19981111; GB 9405137 D0 19940427; HK 1013639 A1 19990903; JP 2969570 B2 19991102; JP H09505532 A 19970603; SG 93789 A1 20030121

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