



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : B41J 2/155, 29/377	A1	(11) International Publication Number: WO 00/24584 (43) International Publication Date: 4 May 2000 (04.05.00)
(21) International Application Number: PCT/GB99/03505 (22) International Filing Date: 22 October 1999 (22.10.99) (30) Priority Data: 9823264.8 24 October 1998 (24.10.98) GB 60/118,574 5 February 1999 (05.02.99) US (71) Applicant (for all designated States except US): XAAR TECHNOLOGY LIMITED [GB/GB]; 2 Science Park, Milton Road, Cambridge CB4 4FD (GB). (72) Inventors; and (75) Inventors/Applicants (for US only): DRURY, Paul, Raymond [GB/GB]; 91 Garden Walk, Royston, Herts SG8 7JN (GB). TEMPLE, Steven [GB/GB]; The Windmill, Impington, Cambridge CB4 9NU (GB). HARVEY, Robert, Alan [GB/GB]; 44 Windsor Road, Cambridge CB4 3JN (GB). ZABA, Jerzy, Marcin [GB/GB]; 56 Melvin Way, Histon, Cambridge CB4 9HY (GB). OMER, Salhadin [ER/GB]; 111 Kingsway, Cambridge CB4 2EW (GB). MANNING, Howard, John [GB/GB]; 4 Bright's Crescent, Edinburgh EH9 2DB (GB). (74) Agents: MOIR, Michael, Christopher et al.; Mathys & Squire, 100 Gray's Inn Road, London WC1X 8AL (GB).	(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>	
(54) Title: DROPLET DEPOSITION APPARATUS (57) Abstract Droplet deposition apparatus comprises a fluid chamber comprising an actuator actuatable by electrical signals to effect ejection of droplets from the fluid chamber, a drive circuit for supplying the electrical signals; and a conduit for supplying droplet fluid to said fluid chamber, the drive circuit being in substantial thermal contact with the conduit so as to transfer a substantial part of the heat generated in the drive circuit to the droplet fluid.		