



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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| <b>(51) International Patent Classification <sup>7</sup>:</b><br><b>B41J 2/085</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>A2</b> | <b>(11) International Publication Number:</b> <b>WO 00/12312</b><br><b>(43) International Publication Date:</b> 9 March 2000 (09.03.00)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>(21) International Application Number:</b> PCT/GB99/02794<br><b>(22) International Filing Date:</b> 24 August 1999 (24.08.99)<br><b>(30) Priority Data:</b><br>9818891.5      28 August 1998 (28.08.98)      GB<br><b>(71) Applicant (for all designated States except US):</b> XAAR TECHNOLOGY LIMITED [GB/GB]; Science Park, Cambridge CB4 4FD (GB).<br><b>(72) Inventor; and</b><br><b>(75) Inventor/Applicant (for US only):</b> DADDEY, Ernest, Ohene, Koranteng [GB/GB]; 35 Otter Close, Otlands Avenue, Bar Hill, Cambridge CB3 8EA (GB).<br><b>(74) Agent:</b> COLMER, Stephen, Gary; Mathys & Squire, 100 Gray's Inn Road, London WC1X 8AL (GB). |           | <b>(81) Designated States:</b> 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, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, 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).<br><br><b>Published</b><br><i>Without international search report and to be republished upon receipt of that report.</i> |
| <b>(54) Title:</b> NOZZLE PLATES FOR INK JET PRINTERS AND LIKE DEVICES<br><br><b>(57) Abstract</b><br><p>Nozzle plate for a drop on demand printer having a coating formed of fused particles of fluorinated ethylene propylene copolymer. The coating, which offers a low surface energy and good resistance to wear is formed on a laser ablatable material and has an average thickness of at least 200 nm but not greater than 600 nm.</p> <div data-bbox="1053 1142 1420 1456" data-label="Image"> </div>                                                                                                                                               |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |