

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
31 August 2006 (31.08.2006)

PCT

(10) International Publication Number  
**WO 2006/090179 A1**

(51) International Patent Classification:  
**B41J 2/145** (2006.01)

(21) International Application Number:  
PCT/GB2006/000687

(22) International Filing Date:  
27 February 2006 (27.02.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0503996.1 26 February 2005 (26.02.2005) GB

(71) Applicant (for all designated States except US): **XAAR TECHNOLOGY LIMITED** [GB/GB]; Science Park, Cambridge CB4 0XR (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **TEMPLE, Steve** [GB/GB]; The Windmill, Impington, Cambridge CB4 9NU (GB). **DRURY, Paul, Raymond** [GB/GB]; 8 New Road, Great Chishill, Royston, Herts SG8 8ST (GB).

(74) Agent: **GARRAT, Peter, Douglas**; Mathys & Squire, 120 Holborn, London EC1N 2SQ (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

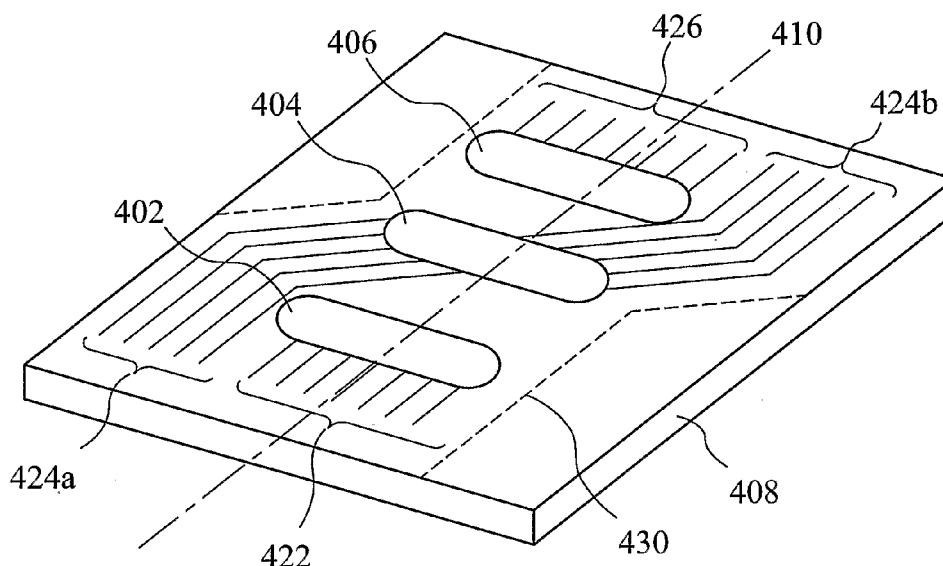
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: DROPLET DEPOSITION APPARATUS



(57) Abstract: A component for a drop on demand printhead having three groups of actuators (210, 220, 230, 402, 404, 406) arranged on a surface forming a central group (404) and two end groups (402, 406). The electrical connections (424a, 424b) for the central group are split, one portion (424a) extending towards one edge of the surface in one direction, and the remaining portion (424b) extending towards an edge in a different direction. Such components can be butted together to form an array of such components providing improved actuator density along the module, and facilitating improved electrical connection.

WO 2006/090179 A1



---

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*