

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

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
3 May 2001 (03.05.2001)

PCT

(10) International Publication Number
WO 01/30590 A1

(51) International Patent Classification⁷: B43K 8/22,
17/00, 24/10, 27/00

(21) International Application Number: PCT/AU00/01278

(22) International Filing Date: 20 October 2000 (20.10.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PQ 3632 25 October 1999 (25.10.1999) AU
PQ 4392 1 December 1999 (01.12.1999) AU

(71) Applicant (for all designated States except US): SILVERBROOK RESEARCH PTY LTD [AU/AU]; 393 Darling Street, Balmain, NSW 2041 (AU).

(72) Inventors; and

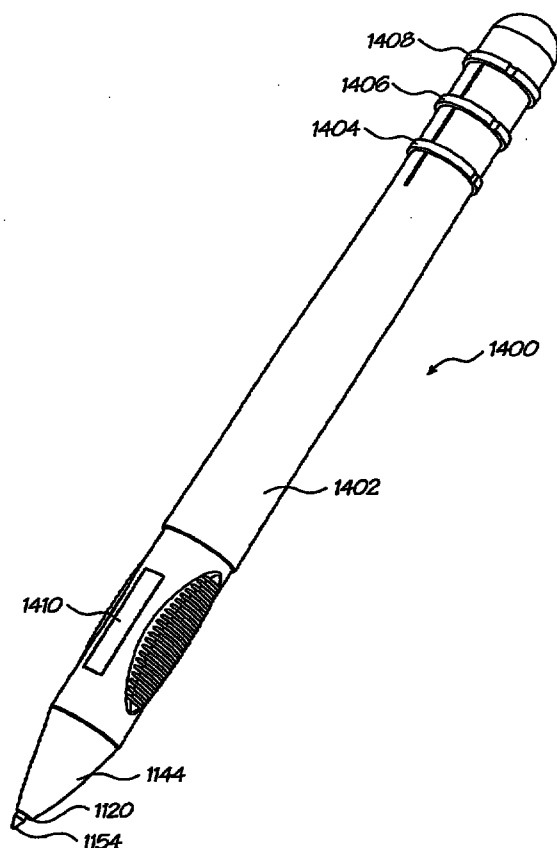
(75) Inventors/Applicants (for US only): LAPSTUN, Paul [NO/AU]; 13 Duke Avenue, Rodd Point, NSW 2046 (AU). SILVERBROOK, Kia [AU/AU]; Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, NSW 2041 (AU). KING, Tobin, Allen [AU/AU]; Unit 2, 125 Cremorne Road, Cremorne, NSW 2090 (AU).

(74) Agent: SILVERBROOK, Kia; Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, NSW 2041 (AU).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, 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, MZ, 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.

[Continued on next page]

(54) Title: ELECTRONICALLY CONTROLLABLE PEN



(57) Abstract: A pen including a marking device (1120) such as an ink jet head and a stylus (1154) for contacting the writing surface, the pen being operative to mark a visible path onto the surface, the marking device being electronically controllable to change an attribute of the path such as colour or line thickness. The pen includes a user interface such as buttons or sliders (1404, 1406, 1408) and a display (1410) whereby a user may modify the attribute. A sensor is capable of sensing images including coded data or colour which can be stored in a memory or transmitted to an external control source. A user can select attributes by cycling or searching through stored sets thereof. Stored sets of at least one attribute being searched may be sequentially deposited in the path or displayed.

WO 01/30590 A1



(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, 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:

— With international search report.

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.