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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
20 December 2001 (20.12.2001)

PCT

(10) International Publication Number
WO 01/095806 A3

(51) International Patent Classification[7]: A61B 5/15

(21) International Application Number: PCT/US01/18482

(22) International Filing Date: 8 June 2001 (08.06.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/210,808 9 June 2000 (09.06.2000) US
60/261,513 12 January 2001 (12.01.2001) US

(71) Applicant: DIABETES DIAGNOSTICS, INC. [US/US]; 51 Sawyer Road, Suite 150, Waltham, MA 02453 (US).

(72) Inventor: MOERMAN, Piet; Ph de Dentergemlaan 2, B-9831 St. Martens-Latem (BE).

(74) Agents: BERNARD, E., Shay et al.; LifeScan, Inc., 1000 Gibraltar Drive, Milpitas, CA 95035-6312 (US).

(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, 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, UZ, VN, YU, ZA, ZW.

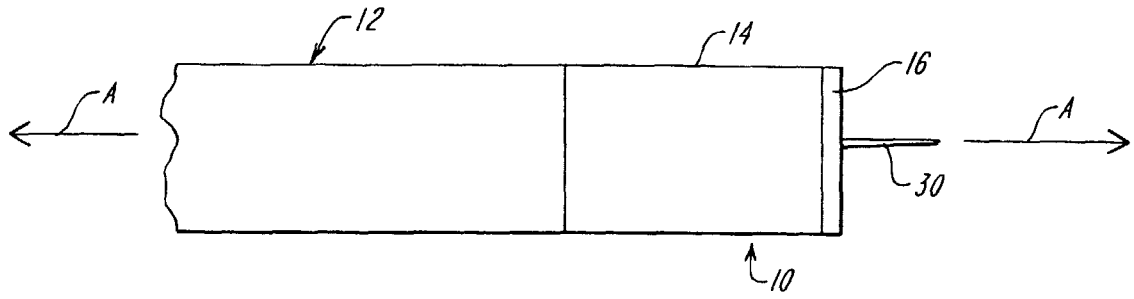
(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

(88) Date of publication of the international search report:
20 March 2003

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.

(54) Title: CAP FOR A LANCING DEVICE



(57) Abstract: A cap for a lancing device for lancing dermal tissue is provided. The cap includes a cap body having a proximal end for connecting to the distal end of the housing of the lancing device and a contact ring attached to the distal end of the cap body. The contact ring includes an opening for a portion of the lancet of the lancing device to pass therethrough. The contact ring has a multi-contoured surface oriented generally about an axis distinct from the axis of motion of the lancet. The multi-contoured surface is designed to pressure the dermal tissue to facilitate expression of a fluid sample after lancing the dermal tissue. The fluid sample can include blood, interstitial fluid, or both.

WO 01/095806 A3