07/08/02

200 2047645

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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
27 June 2002 (27.06.2002)

PCT

(10) International Publication Number
WO 02/050609 A3

(51) International Patent Classification[7]: G01N 33/52, 33/487

(21) International Application Number: PCT/US01/46572

(22) International Filing Date: 6 December 2001 (06.12.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/746,116 20 December 2000 (20.12.2000) US

(71) Applicant: **LIFESCAN, INC.** [US/US]; 1000 Gibraltar Drive, Milpitas, CA 95035-6312 (US).

(72) Inventor: **MATZINGER, David Parkes**; 580 Wallea Drive, Menlo Park, CA 94025 (US).

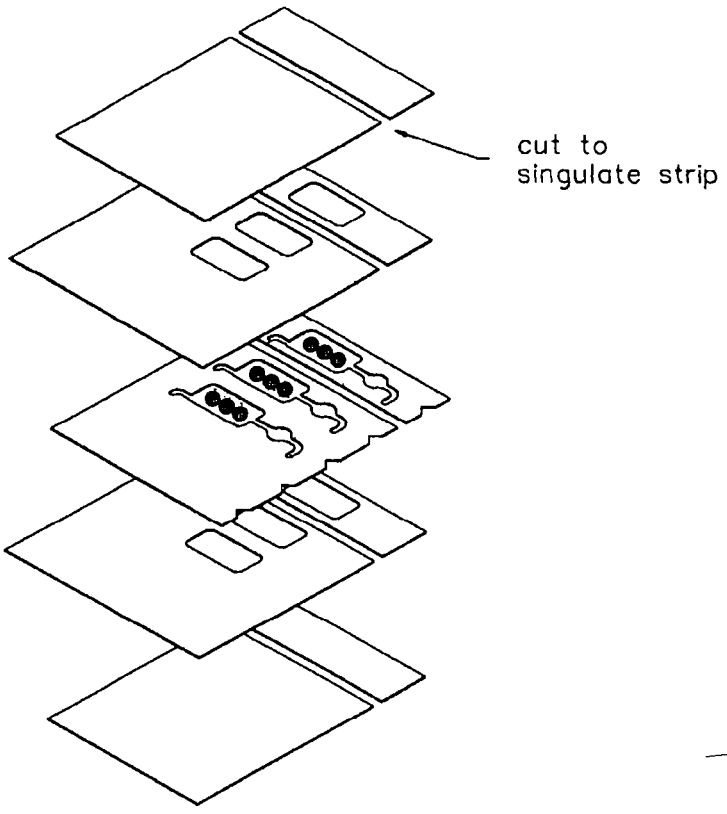
(74) Agent: **FIELD, Bret E.**; BOZICEVIC, FIELD & FRANCIS LLP, 200 Middlefield Road, Suite 200, Menlo Park, CA 94025 (US).

(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, OM, PH, 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, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: ELECTROCHEMICAL TEST STRIP CARDS THAT INCLUDE AN INTEGRAL DESSICANT



(57) Abstract: Electrochemical test strip cards that can be singulated to produce electrochemical test strips are provided. The electrochemical test cards are made up of two or more electrochemical test strip precursors, where each precursor is characterized by the presence of a dry reagent housing reaction chamber bounded by opposing electrodes. In gaseous communication with each reaction chamber of the card is an integrated desiccant. Also provided are methods of using the subject electrochemical test strips cards, as well as kits that include the same. The subject test strips and cards find use in the detection/concentration determination of a number of different analytes, including glucose.

WO 02/050609 A3

162162

ACTION

Published:
— *with international search report*

(88) Date of publication of the international search report:
18 September 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.