

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
19 May 2005 (19.05.2005)

PCT

(10) International Publication Number
WO 2005/045413 A1

(51) International Patent Classification⁷: **G01N 27/327**,
C12Q 1/00, G01N 27/49

William, Hardwicke [GB/GB]; An Cluaran, Croy, Inverness, Scotland IV2 5PG (GB).

(21) International Application Number:
PCT/GB2004/004588

(74) Agents: **MERCER, Christopher, Paul** et al.; Carpmals & Ransford, 43-45 Bloomsbury Square, London WC1A 2RA (GB).

(22) International Filing Date: 29 October 2004 (29.10.2004)

(25) Filing Language: English

(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, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(26) Publication Language: English

(30) Priority Data:
60/516,252 31 October 2003 (31.10.2003) US
60/558,424 31 March 2004 (31.03.2004) US
60/558,728 31 March 2004 (31.03.2004) US

(71) Applicant (*for all designated States except US*): **LIFESCAN SCOTLAND LIMITED** [GB/GB]; Beechwood Park North, Inverness, Scotland IV2 3ED (GB).

(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,

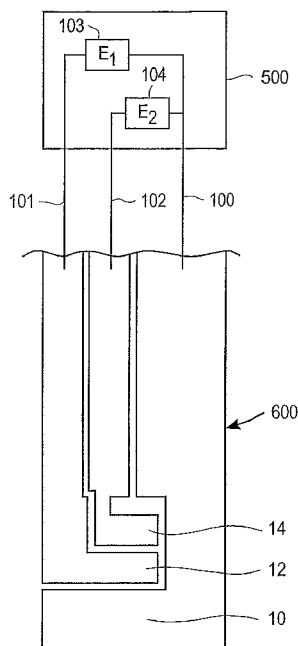
(72) Inventor; and

(75) Inventor/Applicant (*for US only*): **DAVIES, Oliver,**

[Continued on next page]

(54) Title: A METHOD OF REDUCING INTERFERENCES IN AN ELECTROCHEMICAL SENSOR USING TWO DIFFERENT APPLIED POTENTIALS

(57) Abstract: The present invention is directed to a method of reducing the effects of interfering compounds in the measurement of analytes and more particularly to a method of reducing the effects of interfering compounds in a system wherein the test strip (600) utilizes two or more working electrodes (12, 14). In the present invention, a first potential (E1) is applied to a first working electrode (12) and a second potential (E2), having the same polarity but a greater magnitude than the first potential (E1), is applied to a second working electrode (14).





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, IT, LU, 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).

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.

Published:

— *with international search report*