

(19) World Intellectual Property Organization
International Bureau



G00002

(43) International Publication Date
22 August 2002 (22.08.2002)

PCT

(10) International Publication Number
WO 02/065115 A3

(51) International Patent Classification⁷: **G01N 30/14**,
33/52

(21) International Application Number: PCT/EP02/01496

(22) International Filing Date: 13 February 2002 (13.02.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
01870025.2 13 February 2001 (13.02.2001) EP

(71) Applicant (for all designated States except US): **UNIVERSITEIT GENT** [BE/BE]; Sint-Pietersnieuwstraat 25, B-9000 Gent (BE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SIBANDA, Liberty**

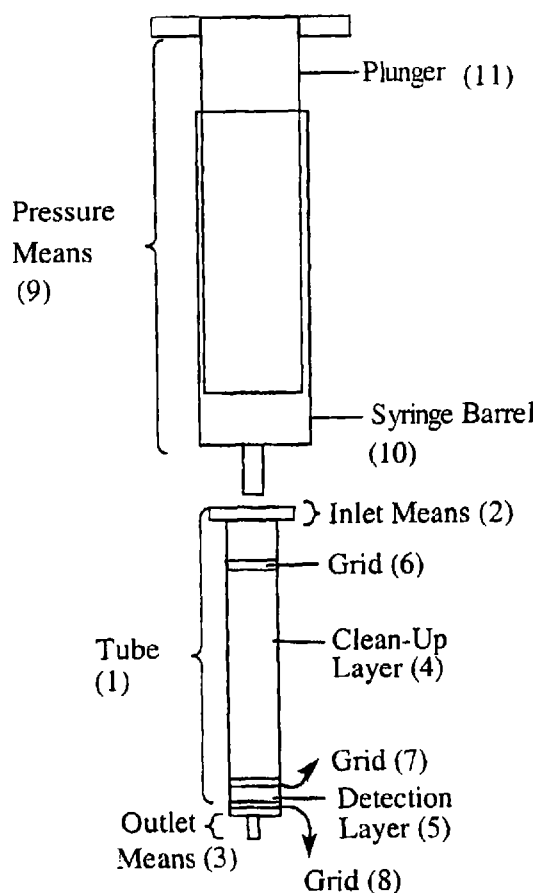
[ZW/ZW]; Stand No. 846 Mount Pleasant View, Harare (ZW). **DE SAEGER, Sarah, Maria, Diana, Guido** [BE/BE]; De Visscherestraat 28, B-9300 Aalst (BE). **VAN PETEGHEM, Carlos** [BE/BE]; Evergemsesteenweg 69, B-9032 Gent (BE).

(74) Agents: **BRANTS, Johan, Philippe, Emile** et al.; De Clercq, Brants & Partners, E. Gevaertdreef 10 a, B-9830 Sint-Martens-Latem (BE).

(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, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

[Continued on next page]

(54) Title: DEVICE AND METHOD FOR DETECTING THE PRESENCE OF AN ANALYTE



(57) Abstract: The invention relates to a device for detecting the presence of an analyte in an interfering fraction containing fluid or semi-fluid sample, said device comprises: (a) a transparent housing, (b) inlet means for the sample to be analyzed, (c) outlet means, and (d) at least two discrete superposed layers being a first and a second layer through which at least a part of the sample is able to be transported in said order, characterized in that the first layer comprises an adsorbent medium capable of adsorbing at least a part of the interfering fraction of the sample and the second layer comprises an adsorbent medium containing an analyte-receptor capable of retaining the analyte. The invention further relates to the use of said device for detecting the presence of an analyte in an interfering fraction containing a fluid or semi-fluid sample under investigation and to a method for detecting the presence of an analyte in an interfering fraction containing a fluid or semi-fluid sample.



162162

WO 02/065115 A3

(A2)



(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, 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).

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
28 November 2002

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.