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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
2 August 2007 (02.08.2007)

PCT

(10) International Publication Number
WO 2007/085797 A1

(51) International Patent Classification:
B01L 3/00 (2006.01) *G01N 33/28* (2006.01)
G01N 35/10 (2006.01)

(21) International Application Number:
PCT/GB2007/000127

(22) International Filing Date: 17 January 2007 (17.01.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
06250495.6 30 January 2006 (30.01.2006) EP

(71) Applicant *(for all designated States except US)*: **BP OIL INTERNATIONAL LIMITED** [GB/GB]; Chertsey Road, Sunbury-on-Thames, Middlesex TW16 7BP (GB).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **HODGES, Michael, Graham** [GB/GB]; Knowsleigh, Barnett Lane, Wonersh, Surrey GU5 0SA (GB).

(74) Agent: **DEKEZEL, Eric**; BP International Limited, Patents & Agreements, Chertsey Road, Sunbury-on-Thames, Middlesex TW16 7LN (GB).

(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, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

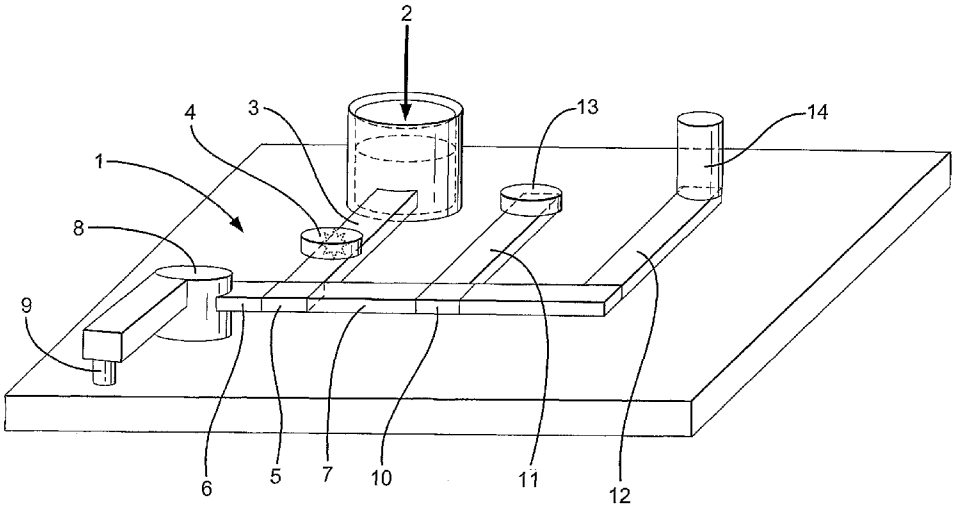
(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, 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).

Declarations under Rule 4.17:
— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
— *of inventorship (Rule 4.17(iv))*

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.

(54) **Title:** SAMPLE PLATE FOR FLUID ANALYSIS IN A REFINERY PROCESS



(57) **Abstract:** A sample plate for use with a portable apparatus containing at least two different analytical devices, said plate (1) comprising (i) a receiver (2) for a fluid to be analysed; (ii) at least two fluidic channels (6, 7) each adapted to transfer a portion of said fluid or a component or reaction product thereof from said receiver (2) to one of said analytical devices contained in said associated portable analysis apparatus; (iii) at least one sensor (13) capable of responding to a physical or chemical property of said fluid or a component or reaction product thereof, and/or at least one sample cell (14) for containing a sample of said fluid or a component or reaction product thereof for spectroscopic or optical analysis; and (iv) at least one additional fluidic channel (11, 12) adapted to transfer a portion of said fluid or a component or reaction product thereof from said receiver to said at least one sensor (13) and/or sample cell (14).

WO 2007/085797 A1