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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
30 July 2015 (30.07.2015)

WIPO | PCT

(10) International Publication Number
WO 2015/110500 A1

(51) **International Patent Classification**:
G01N 21/77 (2006.01) *G01N 33/52* (2006.01)

(21) **International Application Number**:
PCT/EP2015/051199

(22) **International Filing Date**:
22 January 2015 (22.01.2015)

(25) **Filing Language**: English

(26) **Publication Language**: English

(30) **Priority Data**:
14152464.5 24 January 2014 (24.01.2014) EP

(71) **Applicant** *(for DE only)*: **ROCHE DIAGNOSTICS GMBH** [DE/DE]; Sandhofer Straße 116, 68305 Mannheim (DE).

(71) **Applicant** *(for all designated States except DE, US)*: **F. HOFFMANN-LA ROCHE AG** [CH/CH]; Grenzacherstrasse 124, CH-4070 Basel (CH).

(71) **Applicant** *(for US only)*: **ROCHE DIAGNOSTICS OPERATIONS, INC.** [US/US]; Business Area Roche Applied Science, 9115 Hague Road, Indianapolis, IN 46250 (US).

(72) **Inventors**: **IBACH, Alexander**; Tucherstr. 7, 77815 Buehl (DE). **ISGOEREN, Yilmaz**; Bauernwiesenstr. 21, 67063 Ludwigshafen (DE).

(74) **Agent**: **DICK, Alexander**; Herzog Fiesser & Partner Patentanwälte PartG mbB, Dudenstraße 46, 68167 Mannheim (DE).

(81) **Designated States** *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report (Art. 21(3))*

WO 2015/110500 A1

(54) **Title**: METHOD OF MANUFACTURING UNI- AND NO-CODE TEST STRIPES

(57) **Abstract**: The present invention pertains to the field of manufacture of diagnostic test elements. Specifically, the invention relates to a diagnostic test element for determining an analyte comprised in a body fluid sample, said test element comprising at least one test field with at least one detection layer and at least one separation layer, wherein said at least one separation layer comprises dispersed Si02 in an amount of about 1.0 to 1.6 g/m^2. The invention also relates to a coating composition being capable of forming a separation layer on a diagnostic test element of the present invention described above. Moreover, provided is a method for the manufacture of the diagnostic test element as well as the use of the diagnostic test element for determining the amount of an analyte, preferably, glucose, in a sample of a subject.