

# (12) International Application Status Report

**Received at International Bureau:** 08 September 2017 (08.09.2017)

**Information valid as of:** 01 June 2018 (01.06.2018)

**Report generated on:** 21 September 2019 (21.09.2019)

**(10) Publication number:**

WO2019/045673

**(43) Publication date:**

07 March 2019 (07.03.2019)

**(26) Publication language:**

English (EN)

**(21) Application Number:**

PCT/US2017/048835

**(22) Filing Date:**

28 August 2017 (28.08.2017)

**(25) Filing language:**

English (EN)

**(51) International Patent Classification:**

**C12M 1/34** (2006.01); **B81B 1/00** (2006.01); **B01L 3/00** (2006.01); **G01N 33/50** (2006.01)

**(71) Applicant(s):**

HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. [US/US]; 10300 Energy Drive Spring, Texas 77389 (US) *(for all designated states)*

**(72) Inventor(s):**

CHEN, Chien-Hua; 1070 NE Circle Blvd. Corvallis, Oregon 97330 (US)

CUMBIE, Michael; 1070 NE Circle Blvd. Corvallis, Oregon 97330 (US)

SHKOLNIKOV, Viktor; 1501 Page Mill Road Palo Alto, California 94304 (US)

**(74) Agent(s):**

HASAN, Nishat; 3390 E. Harmony Road Fort Collins, Colorado 80528 (US)

**(54) Title (EN):** DEFORMABLE COVERS ON SENSORS AND RESERVOIRS

**(54) Title (FR):** REVÊTEMENTS DÉFORMABLES SUR CAPTEURS ET RÉSERVOIRS

**(57) Abstract:**

**(EN):** Examples include a fluid device. The fluid device includes a substrate, a sensor coupled on the substrate. A reservoir is formed in the substrate adjacent to the sensor. A deformable cover is disposed to seal the sensor and the reservoir on the substrate.

**(FR):** Des exemples de l'invention concernent un dispositif fluide. Le dispositif fluide comprend un substrat, un capteur couplé sur le substrat. Un réservoir est formé dans le substrat adjacent au capteur. Un couvercle déformable est disposé pour sceller le capteur et le réservoir sur le substrat.

**International search report:**

Received at International Bureau: 31 May 2018 (31.05.2018) [RU]

**International Report on Patentability (IPRP) Chapter II of the PCT:**

Not available

**(81) Designated States:**

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, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, 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

European Patent Office (EPO) : 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

African Intellectual Property Organization (OAPI) : BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG

African Regional Intellectual Property Organization (ARIPO) : BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

Eurasian Patent Organization (EAPO) : AM, AZ, BY, KG, KZ, RU, TJ, TM

**Declarations:**

Declaration made as to the identity of the inventor (PCT Rules 4.17(i) and 51bis.1(a)(i))

Declaration made as applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate