



- (51) **International Patent Classification:**
Not classified
- (21) **International Application Number:**
PCT/SG2022/050439
- (22) **International Filing Date:**
27 June 2022 (27.06.2022)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
10202107044R 28 June 2021 (28.06.2021) SG
- (71) **Applicant: AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH [SG/SG];** 1 Fusionopolis Way, #20-10, Connexis North, Singapore 138632 (SG).
- (72) **Inventors: ZHENG, Xinting;** c/o Institute of Materials Research and Engineering, 2 Fusionopolis Way, #08-03, Innovis, Singapore 138634 (SG). **SUTARLIE, Laura;** c/o Institute of Materials Research and Engineering, 2 Fusionopolis Way, #08-03, Innovis, Singapore 138634 (SG). **YU, Yong;** c/o Institute of Materials Research and Engineering, 2 Fusionopolis Way, #08-03, Innovis, Singapore 138634 (SG). **SU, Xiaodi;** c/o Institute of Materials Research and Engineering, 2 Fusionopolis Way, #08-03, Innovis, Singapore 138634 (SG).
- (74) **Agent: SPRUSON & FERGUSON (ASIA) PTE LTD;** P.O. Box 1531, Robinson Road Post Office, Singapore 903031 (SG).
- (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, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, 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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, 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).

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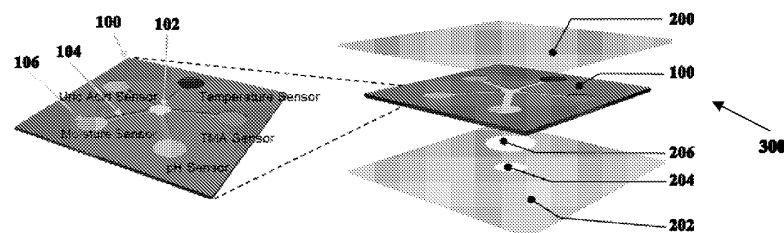
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Published:

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- (54) **Title: A PAPER-BASED SENSOR**

Fig. 18



- (57) **Abstract:** There is provided herein a paper-based sensor for simultaneously determining a plurality of biomarkers present in a biological sample comprising a plurality of detection zones in fluid communication with a sampling zone, wherein said plurality of detection zones comprises sensing material specific to each of said plurality of biomarkers. There is also provided herein a method of manufacturing the paper-based sensor, a use of a paper-based sensor for wound diagnosis, a kit comprising the paper-based sensor and a method of diagnosing wound health.