



- (51) **International Patent Classification:**
G01N 33/543 (2006.01) *G01N 33/569* (2006.01)
- (21) **International Application Number:**
PCT/SG2021/050264
- (22) **International Filing Date:**
12 May 2021 (12.05.2021)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
10202004395T 12 May 2020 (12.05.2020) SG
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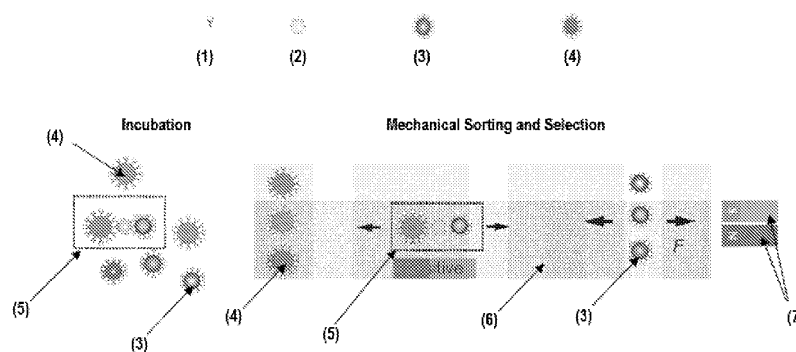
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(81) **Designated States** (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, 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).

(54) **Title:** A METHOD FOR VIRUS AND BIOMARKER DETECTION



[Fig. 1A]

(57) **Abstract:** Disclosed herein is a method of detecting the presence or absence of an analyte in a test sample, based on the use of motion resistant particle for example non-magnetic particle coated with first sensing element for the analyte and force driven particle for example superparamagnetic particle coated with a second sensing element for the analyte so as to form a motion resistant particle-analyte-force driven particle conjugate. A viscous medium is added to the mixture and a force such as magnetic force is applied to provide separation of the conjugate for quantification. Disclosed herein are also a sensing kit, a system for detecting the presence or absence of an analyte in a test sample and the use of the kit or the system thereof.

[Continued on next page]



Declarations under Rule 4.17:

- *of inventorship (Rule 4.17(iv))*

Published:

- *with international search report (Art. 21(3))*
- *in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE*