



(51) International Patent Classification:

C12Q 1/6816 (2018.01) C12Q 1/6876 (2018.01)
C12Q 1/6869 (2018.01)

(21) International Application Number:

PCT/US2023/017778

(22) International Filing Date:

06 April 2023 (06.04.2023)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/329,101	08 April 2022 (08.04.2022)	US
63/343,760	19 May 2022 (19.05.2022)	US
63/347,375	31 May 2022 (31.05.2022)	US
63/385,544	30 November 2022 (30.11.2022)	US

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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,

(54) Title: APTAMER DYNAMIC RANGE COMPRESSION AND DETECTION TECHNIQUES

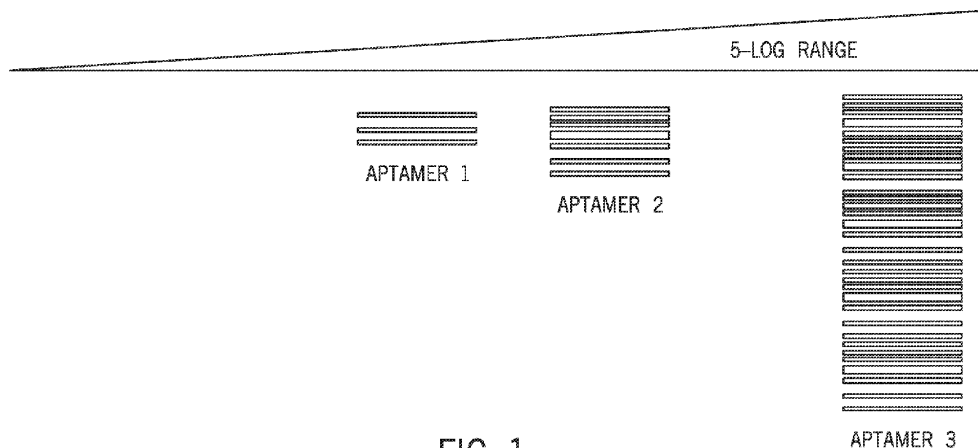


FIG. 1

(57) Abstract: Aptamer detection techniques with dynamic range compression are described that permit removal of a portion of more abundant aptamers in an aptamer-based assay. In an embodiment, a mixture of tagged probes and dummy probes can be used such that the dummy probes bind abundant aptamers and in turn are not captured or amplified for detection in downstream steps. Other techniques are also contemplated, including targeted removal of or cleavage of probes that bind to excess aptamers.

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CA, CH, CL, CN, CO, CR, CU, CV, 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, MG, MK, MN, MU, 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, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, 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).

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*
- *with sequence listing part of description (Rule 5.2(a))*