

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
19 August 2021 (19.08.2021)



(10) International Publication Number
WO 2021/161208 A1

(51) International Patent Classification:

C12Q 1/6883 (2018.01) G01N 33/68 (2006.01)

G01N 33/92 (2006.01)

(21) International Application Number:

PCT/IB2021/051121

(22) International Filing Date:

11 February 2021 (11.02.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

20157309.4 14 February 2020 (14.02.2020) EP

(71) Applicant: **CARDIOMIX S.R.L.** [IT/IT]; Via Arrigo Boito, 8, I-20121 Milano (IT).

(72) Inventors: **PAPPONE, Carlo**; c/o Cardiomix S.r.l., Via Arrigo Boito, 8, I-20121 Milano (IT). **ANASTASIA, Luigi**; c/o Cardiomix S.r.l., Via Arrigo Boito, 8, I-20121 Milano (IT). **CICONTE, Giuseppe**; c/o Cardiomix S.r.l., Via Arrigo Boito, 8, I-20121 Milano (IT). **VICEDOMINI, Gabriele**; c/o Cardiomix S.r.l., Via Arrigo Boito, 8, I-20121 Milano (IT).

(74) Agent: **DE GREGORI, Antonella** et al.; Via Borgogna, 8, I-20122 Milano (IT).

(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).

Published:

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

(54) Title: SET OF BIOMARKERS FOR THE DIAGNOSIS OF BRUGADA SYNDROME

(57) Abstract: The present invention relates to a specific set of circulating biomarkers and related methods and kits for the diagnosis of Brugada Syndrome in a human being.

WO 2021/161208 A1