

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
18 January 2024 (18.01.2024)



(10) International Publication Number
WO 2024/015924 A2

(51) International Patent Classification:

Not classified

Published:

— without international search report and to be republished
upon receipt of that report (Rule 48.2(g))

(21) International Application Number:

PCT/US2023/070154

(22) International Filing Date:

13 July 2023 (13.07.2023)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/389,775	15 July 2022 (15.07.2022)	US
63/389,870	16 July 2022 (16.07.2022)	US
63/498,633	27 April 2023 (27.04.2023)	US

(71) Applicant: **ENTRADA THERAPEUTICS, INC.**

[US/US]; One Design Center Place, Suite 17-500, Boston,
Massachusetts 02210 (US).

(72) Inventors: **NOWAK, Ireneusz**; One Design Center Place,
Suite 17-500, Boston, Massachusetts 02210 (US). **QIAN,
Ziqing**; One Design Center Place, Suite 17-500, Boston,
Massachusetts 02210 (US). **KHEIRABADI, Mahboubeh**;
One Design Center Place, Suite 17-500, Boston, Massachu-
setts 02210 (US).

(74) Agent: **PERDOK, Monique M.** et al.; P.O. Box 2938, Min-
neapolis, Minnesota 55402 (US).

(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, 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).

(54) Title: HYBRID OLIGONUCLEOTIDES

(57) Abstract: Provided herein are methods for making hybrid oligonucleotides, hybrid oligonucleotides, and compounds and compo-
sitions comprising hybrid oligonucleotides.

WO 2024/015924 A2