

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
30 September 2021 (30.09.2021)



(10) International Publication Number
WO 2021/195401 A1

(51) International Patent Classification:

A61K 31/445 (2006.01) A61K 9/00 (2006.01)
A61K 47/34 (2017.01)

(21) International Application Number:

PCT/US2021/024186

(22) International Filing Date:

25 March 2021 (25.03.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/994,779	25 March 2020 (25.03.2020)	US
63/001,455	29 March 2020 (29.03.2020)	US
63/055,860	23 July 2020 (23.07.2020)	US

(71) Applicant: **BIOHAVEN THERAPEUTICS LTD.**
[US/US]; 215 Church Street, New Haven, Connecticut
06510 (US).

(72) Inventors: **BAYDEN, Alexander Sergei**; Biohaven Therapeutics Ltd., 215 Church Street, New Haven, Connecticut 06510 (US). **BERBASOVA, Tetyana**; Biohaven Therapeutics Ltd., 215 Church Street, New Haven, Connecticut 06510 (US). **FISHER, Lawrence Emerson**; Biohaven Therapeutics Ltd., 215 Church Street, New Haven, Connecticut 06510 (US). **KAZMIERSKI, Wieslaw**; Biohaven Therapeutics Ltd., 215 Church Street, New Haven, Connecticut 06510 (US). **RASTELLI, Luca**; Biohaven Therapeutics Ltd., 215 Church Street, New Haven, Connecticut 06510 (US). **SAWYER, Tomi K.**; Biohaven Therapeutics Ltd., 215 Church Street, New Haven, Connecticut 06510 (US). **SPIEGEL, David Adam**; Biohaven Therapeutics Ltd., 215 Church Street, New Haven, Connecticut 06510 (US). **WIDDISON, Wayne Charles**; Biohaven Therapeutics Ltd., 215 Church Street, New Haven, Connecticut 06510 (US).

(74) Agent: **ZUEV, Dmitry**; Biohaven Therapeutics Ltd., 215 Church Street, New Haven, Connecticut 06510 (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, 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))
- 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))

(54) Title: TECHNOLOGIES FOR PREVENTING OR TREATING INFECTIONS

(57) Abstract: Among other things, the present disclosure provides agents that can bind to viruses such as SARS-CoV-2 and/or cells infected thereby. In some embodiments, the present disclosure provides methods for preventing and/or treating conditions, disorders or diseases associated with SARS-CoV-2 infection. In some embodiments, the present disclosure provides methods for preventing and/or treating COVID-19.

WO 2021/195401 A1