

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
02 August 2024 (02.08.2024)



(10) International Publication Number
WO 2024/156833 A1

(51) International Patent Classification:

A61P 31/14 (2006.01) A61K 39/395 (2006.01)
C07K 16/10 (2006.01)

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

(21) International Application Number:

PCT/EP2024/051835

(22) International Filing Date:

25 January 2024 (25.01.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

23153351.4 25 January 2023 (25.01.2023) EP
23190707.2 09 August 2023 (09.08.2023) EP

(71) Applicant: **LEYDEN LABORATORIES B. V.** [NL/NL];
Emmy Noetherweg 2, 2333 BK Leiden (NL).

(72) Inventors: **GOUDSMIT, Jaap**; Emmy Noetherweg 2,
2333 BK Leiden (NL). **SHAW, Michael Alan**; Emmy Noe-
therweg 2, 2333 BK Leiden (NL).

(74) Agent: **CMS CAMERON MCKENNA NABARRO
OLSWANG LLP**; Cannon Place 78 Cannon Street, London
EC4N 6AF (GB).

(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: METHOD FOR PREVENTION OR TREATMENT OF CORONAVIRUS INFECTION

(57) Abstract: The invention is in the field of medical treatment and relates to a method for treating coronavirus infection. In particular, the present invention relates to methods for prophylactic and/or therapeutic treatment of coronavirus infection by means of the mucosal administration of antibodies against coronavirus.



WO 2024/156833 A1