

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
26 September 2024 (26.09.2024)



(10) International Publication Number
WO 2024/194763 A1

(51) International Patent Classification:

A61K 9/00 (2006.01) A61K 47/32 (2006.01)
A61K 31/4168 (2006.01) A61K 47/38 (2006.01)
A61K 47/18 (2017.01) A61P 27/04 (2006.01)

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))

(21) International Application Number:

PCT/IB2024/052504

(22) International Filing Date:

14 March 2024 (14.03.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/491,051 18 March 2023 (18.03.2023) US

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))

(71) Applicant: **ALCON INC.** [CH/CH]; Rue Louis-d'Affry 6, 1701 Fribourg (CH).

(72) Inventors: **RANGARAJAN, Rekha**; c/o Alcon Research, LLC, 6201 South Freeway, Fort Worth, Texas 76134 (US). **KETELSON, Howard Allen**; 3920 Travis Street, Dallas, Texas 75204 (US). **KOLEGA, Randall Renato**; c/o Alcon Research, LLC, 6201 South Freeway, Fort Worth, Texas 76134 (US). **BRIDLE, Mark Joseph**; c/o Alcon Research, LLC, 6201 South Freeway, Fort Worth, Texas 76134 (US). **MERZLIKINE, Alexei Grigoryevich**; c/o Alcon Research, LLC, 6201 South Freeway, Fort Worth, Texas 76134 (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,

(54) Title: PHARMACEUTICAL COMPOSITIONS COMPRISING APRACLONIDINE FOR OCULAR REDNESS RELIEF

(57) Abstract: The present disclosure is directed to pharmaceutical compositions comprising apraclonidine and a polymer, wherein the apraclonidine is present at greater than 0.05 % (w/v) to no more than 0.2 % (w/v) based on the total volume of the pharmaceutical composition, methods of preparing the same and methods for reducing ocular redness by administering the same.

WO 2024/194763 A1