

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
04 June 2020 (04.06.2020)



(10) International Publication Number
WO 2020/112030 A1

- (51) **International Patent Classification:**
C08F 30/08 (2006.01) *G02C 7/04* (2006.01)
- (21) **International Application Number:**
PCT/SG2019/050592
- (22) **International Filing Date:**
30 November 2019 (30.11.2019)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
62/773,402 30 November 2018 (30.11.2018) US
- (71) **Applicant: MENICON SINGAPORE PTE LTD.**
[SG/SG]; 8 International Business Park #40-00, Singapore 609925 (SG).
- (72) **Inventors: NEWMAN, Stephen D.;** 50 Bayshore Road, #30-01, Aquamarine Tower, Bayshore Park, Singapore 469977 (SG). **WATANABE, Tasuku;** 67 Jurong West Central 3, #12-06 The Centris, Singapore 648333 (SG).
- (74) **Agent: INFINITUS LAW CORPORATION;** 77 Robinson Road, #16-00 Robinson 77, Singapore 068896 (SG).
- (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, 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, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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))*

(54) **Title:** SELECTIVELY WETTABLE AND OXYGEN-PERMEABLE LENSES

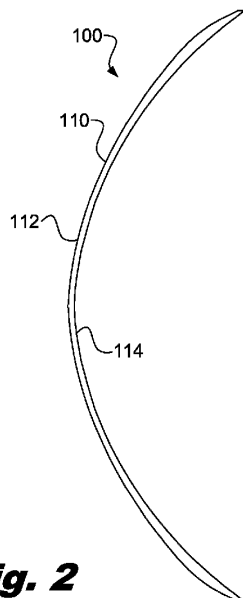


Fig. 2

(57) **Abstract:** A contact lens includes a body, having the plurality of monomers including at least some silicone monomer units including at least one zwitterionic distributed throughout the body. The contact lens includes a front surface and a back surface, where the silicone monomer including at least one zwitterionic group can be present in a greater concentration nearest the front surface than the back surface or a point therebetween. The contact lens can be formed by casting a polymer mixture containing the silicone monomer including at least one zwitterionic group.



WO 2020/112030 A1