



(51) International Patent Classification:
B29D 11/00 (2006.01) *G02C 7/02* (2006.01)

(21) International Application Number:
PCT/US2011/043283

(22) International Filing Date:
8 July 2011 (08.07.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/362,925 9 July 2010 (09.07.2010) US
61/369,111 30 July 2010 (30.07.2010) US

(72) Inventors; and

(71) Applicants : **NORRIS, Lee, Darren** [GB/GB]; Unit 1, School Lane, Chandlers Ford, Eastleigh, Hampshire SO53 4TE (GB). **BIALEK, Edyta, S.** [PL/GB]; Unit 1, School Lane, Chandlers Ford, Eastleigh, Hampshire SO53 4TE (GB). **ALMOND, Sarah, L.** [GB/GB]; Unit 1, School Lane, Chandlers Ford, Eastleigh, Hampshire SO53 4TE (GB). **MORSLEY, David, Robert** [GB/GB]; Unit 1, School Lane, Chandlers Ford, Eastleigh, Hampshire SO53 4TE (GB). **SIDDIQUI, A.k.m., Shahab** [US/US]; C/o Coopervision, Inc., 5870 Stoneridge Drive, Suite 1, Pleasanton, CA 94588 (US). **ROGERS, Richard, C.** [GB/GB]; Unit 1, School Lane, Chandlers Ford, Eastleigh, Hampshire SO53 4TE (GB). **BRUCE, Ian** [GB/GB]; Unit 1, School Lane, Chandlers Ford, Eastleigh, Hampshire SO53 4TE (GB). **SHEADER, Ben**

[Continued on next page]

(54) Title: POLAR THERMOPLASTIC OPHTHALMIC LENS MOLDS, OPHTHALMIC LENSES MOLDED THEREIN, AND RELATED METHODS

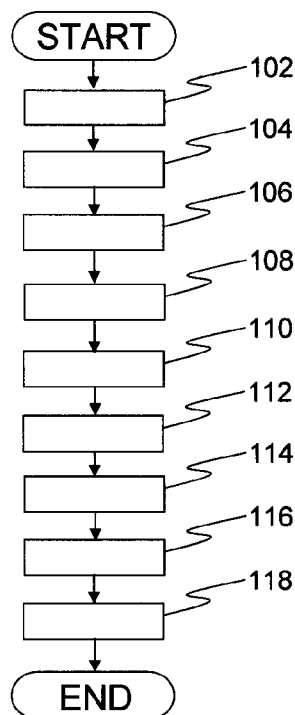


FIG. 1

(57) Abstract: Ophthalmic lens molds made from one or more thermoplastic polymers with average polarities from about 1% to about 7%, ophthalmic lenses including silicone hydrogel contact lenses molded using these less polar thermoplastic polymers, and related methods are described. When the molds are used to cast mold silicone hydrogel contact lenses, the resulting polymerized lens bodies have ophthalmically acceptably wettable surfaces.





jamin, S. [GB/GB]; Unit 1, School Lane, Chandlers Ford, Eastleigh, Hampshire SO53 4TE (GB).

(74) **Agent: KILYK, Luke, A.**; Kilyk & Bowersox, P.L.L.C., 400 Holiday Court, Suite 102, Warrenton, VA 20186 (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, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, 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, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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, ML, MR, NE, SN, TD, TG).

Published:

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