

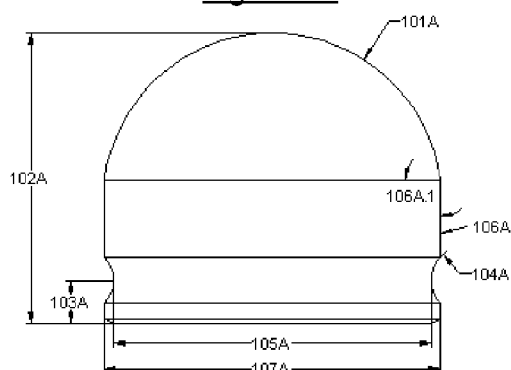


- (51) International Patent Classification:
B29D 11/00 (2006.01) *B29C 33/30* (2006.01)
- (21) International Application Number:
PCT/US2012/053301
- (22) International Filing Date:
31 August 2012 (31.08.2012)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/529,605 31 August 2011 (31.08.2011) US
61/529,617 31 August 2011 (31.08.2011) US
61/529,623 31 August 2011 (31.08.2011) US
13/599,841 30 August 2012 (30.08.2012) US
13/599,893 30 August 2012 (30.08.2012) US
- (71) Applicant (for all designated States except US): **JOHNSON & JOHNSON VISION CARE, INC.** [US/US]; 7500 Centurion Parkway, Jacksonville, FL 32256 (US).
- (72) Inventors; and
(75) Inventors/Applicants (for US only): **WIDMAN, Michael F.** [US/US]; 2864 Claire Lane, Jacksonville, FL 32223 (US). **ENNS, John, B.** [CA/US]; 9251 Jaybird Circle East, Jacksonville, FL 32257 (US). **WILDSMITH, Christopher** [GB/US]; 7819 Kingsmill Court, Jacksonville, FL 32256 (US). **POWELL, Mark, P.** [US/US]; 11598 North Summer Haven Blvd., Jacksonville, FL 32258 (US). **SITES, Peter, W.** [US/US]; 1561 County Walk Drive, Orange Park, FL 32003 (US).
- (74) Agents: **JOHNSON, Philip, S.** et al.; Johnson & Johnson, One Johnson & Johnson Plaza, New Brunswick, NJ 08933 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

[Continued on next page]

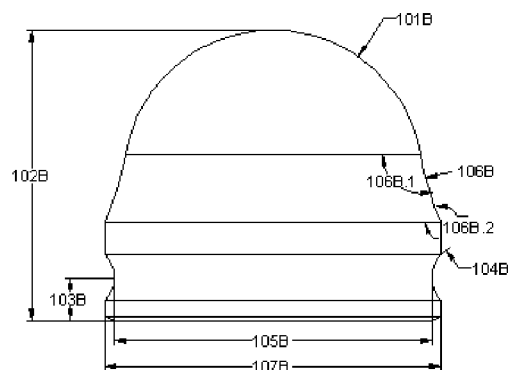
(54) Title: OPHTHALMIC LENS FORMING OPTIC

Figure 1A



(57) Abstract: A forming optic used for the manufacture of at least one free formed ophthalmic lens comprising: a first planar surface transmissive to actinic radiation entering the forming optic and a second arcuate surface (101A) including an optical quality forming surface which can be positioned in a cavity of a reservoir containing lens forming material; alignment features used to align one or more points of the optical quality forming surface to one or more sources of the actinic radiation.

Figure 1B





AO, AT, AU, AZ, BA, BB, BG, BH, BN, 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, QA, RO, RS, RU, RW, 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, 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, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to the identity of the inventor (Rule 4.17(i))
- 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))

Published:

- with international search report (Art. 21(3))