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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
30 April 2009 (30.04.2009)

PCT

(10) International Publication Number
WO 2009/052570 A1

(51) International Patent Classification:
*G02C 7/04* (2006.01)

(21) International Application Number:
PCT/AU2008/001568

(22) International Filing Date: 23 October 2008 (23.10.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2007905800 23 October 2007 (23.10.2007) AU

(71) Applicant *(for all designated States except US)*: **VISION CRC LIMITED** [AU/AU]; Level 4, Rupert Myers Building, Gate 14, Barker Street, Sydney, NSW 2052 (AU).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **VARNAS, Saulius, Raymond** [AU/AU]; 22 McCoy Street, Brighton, S.A.5048 (AU).

(74) Agent: **PHILLIPS ORMONDE & FITZPATRICK**; Level 21, 22 & 23, 367 Collins Street, Melbourne, VIC 3000 (AU).

(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, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

*[Continued on next page]*

(54) Title: OPHTHALMIC LENS ELEMENT

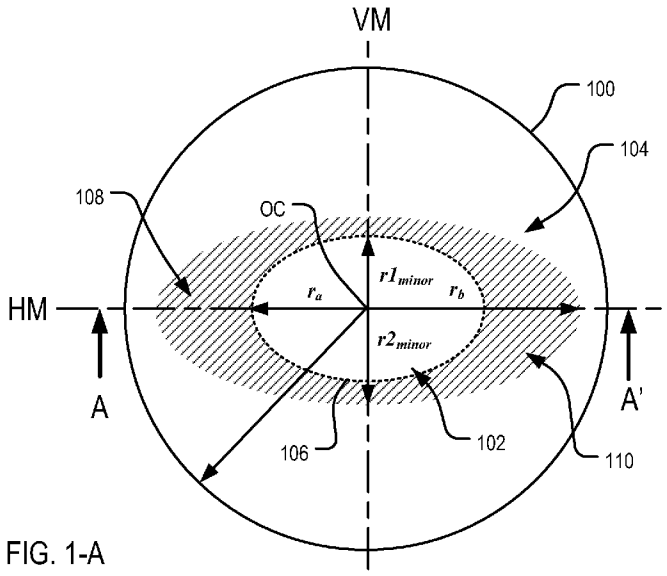



FIG. 1-A

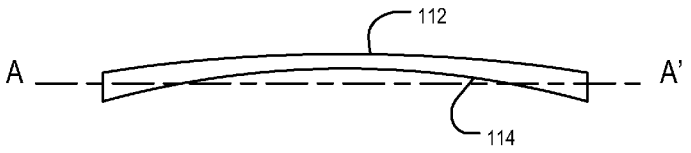



FIG. 1-B SECTION A-A'

(57) Abstract: An ophthalmic lens element is disclosed. The lens element includes a front surface and a rear surface, at least one which includes a horizontal meridian and a vertical meridian. A central region of the lens element includes a foveal vision zone providing a first power for providing clear foveal vision for a wearer. A peripheral region of positive power relative to the first power is also included. The peripheral region includes dual progressive zones located bilaterally of the vertical meridian and extending radially outwardly from the central region. The lens element provides a distribution of surface astigmatism which provides, on the horizontal meridian, a relatively low surface astigmatism in the central region and the progressive zones.

WO 2009/052570 A1

**Published:**
— *with international search report*