

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
8 May 2008 (08.05.2008)

PCT

(10) International Publication Number
WO 2008/055031 A2

- (51) International Patent Classification: **Not classified**
- (21) International Application Number:
PCT/US2007/082334
- (22) International Filing Date: 24 October 2007 (24.10.2007)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
11/554,105 30 October 2006 (30.10.2006) US
- (71) Applicant (for all designated States except US): **JOHNSON & JOHNSON VISION CARE, INC.** [US/US]; 7500 Centurian Parkway, Suite 100, Jacksonville, Florida 32256 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **GUPTA, Amitava** [US/US]; 2668 Cove View Drive North, Jacksonville, Florida 32257 (US). **NEADLE, Susan W.** [US/US]; 1164 Dover Drive, Jacksonville, US 32259 (US).
- (74) Agents: **JOHNSON, Philip S.** et al.; One Johnson & Johnson Plaza, New Brunswick, New Jersey 08933 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, 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, 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, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, 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



WO 2008/055031 A2

(54) Title: METHOD FOR DESIGNING MULTIFOCAL CONTACT LENSES

(57) Abstract: The invention provides methods for designing contact lenses that takes into account pupil size and vergence. The lenses of the invention augment the eye's accommodative gain and take advantage of the eye's residual accommodation amplitude.