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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
21 May 2004 (21.05.2004)

PCT

(10) International Publication Number
WO 2004/042454 A1

(51) International Patent Classification[7]: G02C 7/02, 7/04

(21) International Application Number:
PCT/US2003/034218

(22) International Filing Date: 28 October 2003 (28.10.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/284,613 31 October 2002 (31.10.2002) US

(71) Applicant: JOHNSON & JOHNSON VISION CARE, INC. [US/US]; 7500 Centurion Parkway, Suite 100, Jacksonville, FL 32256 (US).

(72) Inventors: ROFFMAN, Jeffrey, H.; 307 Edgewater Branch Drive, Jacksonville, FL 32259 (US). ISKANDER, Daoud, R.; 180 Hawthorne Road, Hawthorne, Queensland 4171 (AU). DAVIS, Brett, A.; 3/48 Rialto Street, Cooparoo, Queensland 4151 (AU). COLLINS, Michael, J.; Lot 8, Mt. Nebo Road, Mt. Nebo, Queensland 4520 (AU).

(74) Agents: JOHNSON, Philip, S. et al.; Johnson & Johnson, One Johnson & Johnson Plaza, New Brunswick, NJ 08933 (US).

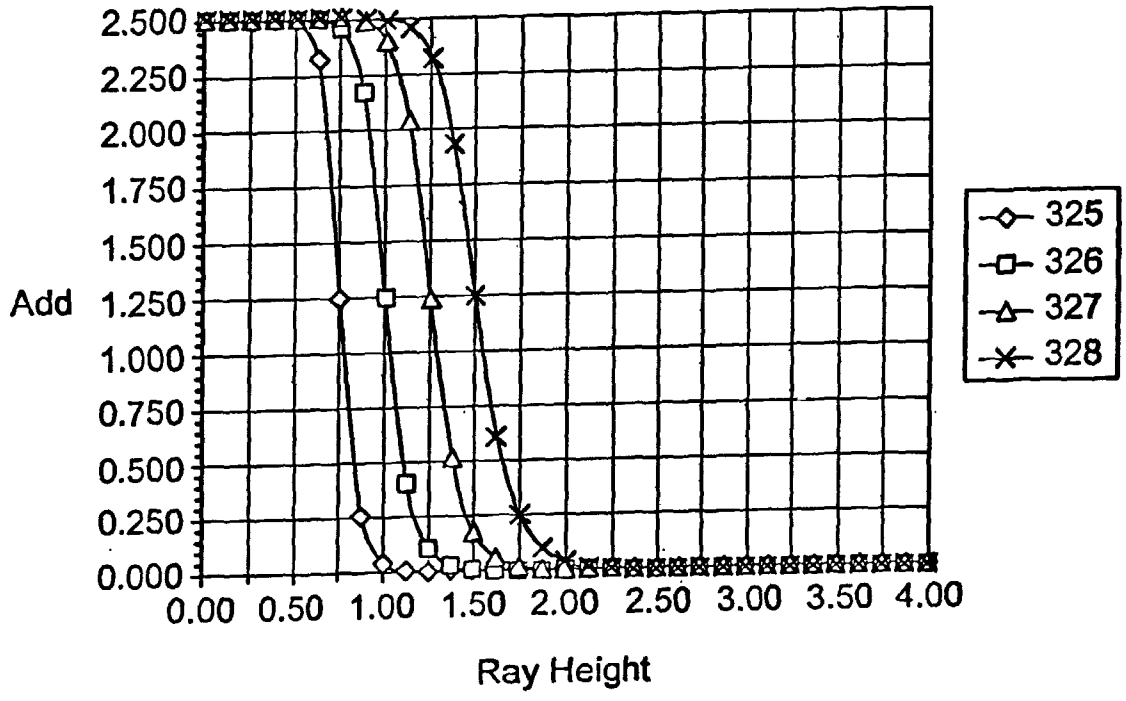
(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

[Continued on next page]

(54) Title: METHODS FOR DESIGNING MULTIFOCAL OPHTHALMIC LENSES



(57) Abstract: The invention provides methods for designing lenses useful for correcting presbyopia that permits variation of the speed of the power change from distance to near vision power or near to distance vision power. The rate of change may be symmetrical around the midpoint or faster or slower on either side of the midpoint.

WO 2004/042454 A1

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.