

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
21 December 2007 (21.12.2007)

PCT

(10) International Publication Number  
**WO 2007/146673 A3**

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

(21) International Application Number:

PCT/US2007/070419

(22) International Filing Date: 5 June 2007 (05.06.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
2006903112 8 June 2006 (08.06.2006) AU

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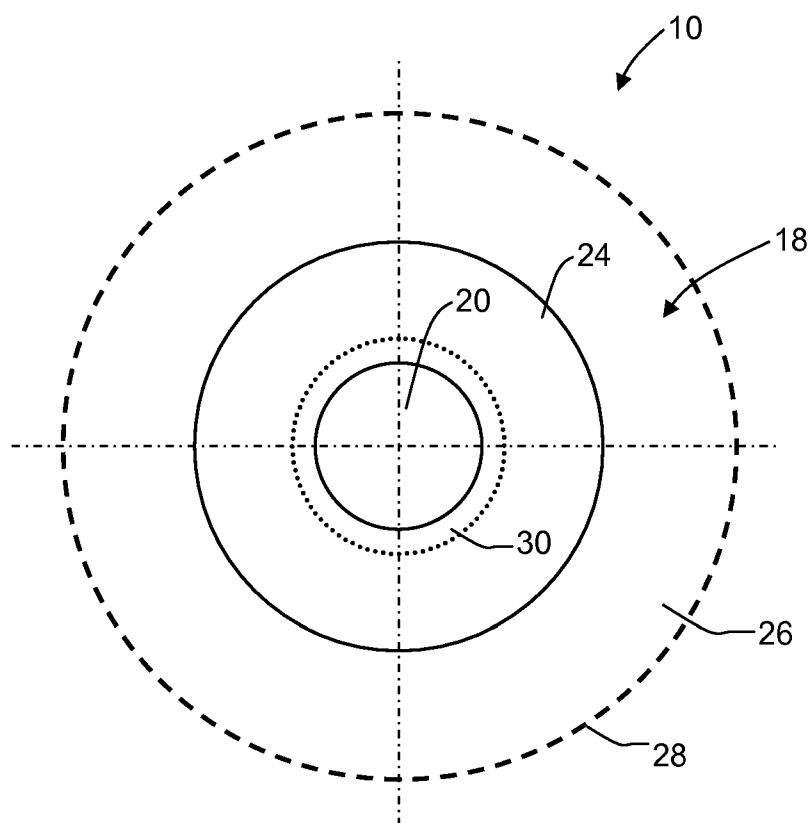
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, 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,

[Continued on next page]

(54) Title: MEANS FOR CONTROLLING THE PROGRESSION OF MYOPIA



(57) Abstract: A contact lens (10) for use in controlling or retarding the progression of myopia in an eye has a central optical zone (20) approximating the normal diameter of the pupil of the eye (22) that gives clear central vision at distance for the wearer. An annular peripheral optical zone 24 that is substantially outside the diameter of the pupil is formed around the central optical zone (20) with greater refractive power than that of the central zone (22) so that oblique rays entering the eye through the peripheral optical zone (24) will be brought to focus at a focal plane that is substantially on or anterior to the peripheral region of the retina. Preferably, the rear surface (16) of the lens is shaped to conform to the cornea of the eye and the front surface (18) of the lens (10) is shaped to provide - in conjunction with the rear surface (16) - the desired optical properties of the central and peripheral optical zones. The front surface (18) is also preferably contoured to form a smooth transition (30) between the

junction of the central optical zone (20) and the peripheral optical zone (24), with or without designed optical properties such as progressive power.



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).

— *before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments*

**Published:**

— *with international search report*

**(88) Date of publication of the international search report:**

28 February 2008