



(51) International Patent Classification:

G02C 7/04 (2006.01) G02C 7/08 (2006.01)
G06F 3/01 (2006.01) A61B 3/10 (2006.01)
A61B 5/00 (2006.01) A61B 5/11 (2006.01)
A61F 2/16 (2006.01)

(21) International Application Number:

PCT/US2014/038061

(22) International Filing Date:

15 May 2014 (15.05.2014)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

13/896,653 17 May 2013 (17.05.2013) US

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

(72) Inventors: PUGH, Randall B.; 3216 Chestnut Court, Jacksonville, Florida 32259 (US). TONER, Adam; 1024 W. Dorchester Drive, Jacksonville, Florida 32259 (US).

FLITSCH, Frederick A.; 25 Twin Ponds Road, New Windsor, New York 12553 (US).

(74) Agents: PLANTZ, Bernard F. et al.; Johnson & Johnson, 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, 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, IR, IS, JP, KE, KG, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, 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,

[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR A PROCESSOR CONTROLLED OPHTHALMIC LENS

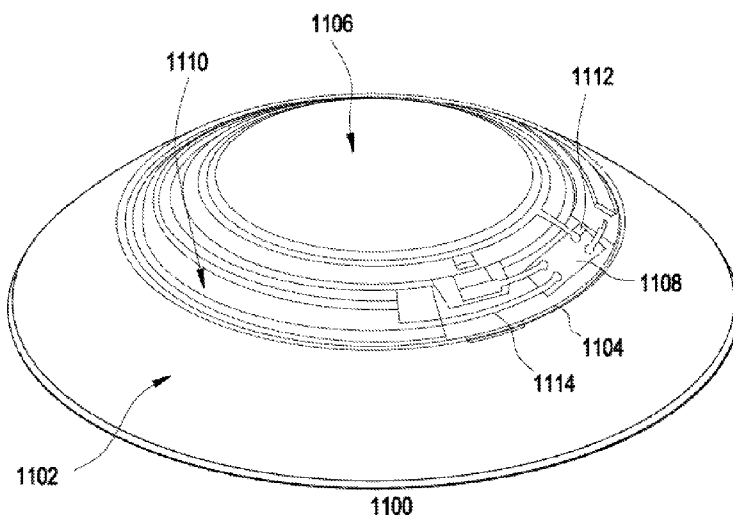


Fig. 1

(57) Abstract: A method and system for the calibration and operation of a processor controlled ophthalmic lens is described. More specifically, the system comprising an interactive wireless device used to personalize the control and activation of one or more functions and/or components of the processor controlled ophthalmic lens. In some embodiments, the personalization may include calibrating the functions and/or components using feedback from the user using the interactive wireless device in response to measured conditions by one or more sensors included in the processor controlled ophthalmic lens.



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, KM, ML, MR, NE, SN, TD, TG).

— 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))

Declarations under Rule 4.17:

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

Published:

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