



(51) International Patent Classification:

G01J 1/04 (2006.01) **G02B 5/22** (2006.01)
H01J 5/16 (2006.01)

(21) International Application Number:

PCT/US2011/032172

(22) International Filing Date:

12 April 2011 (12.04.2011)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/324,706	15 April 2010 (15.04.2010)	US
61/425,707	21 December 2010 (21.12.2010)	US
13/029,997	17 February 2011 (17.02.2011)	US

(71) **Applicant** (for all designated States except US): **OAK-LEY, INC.** [US/US]; One Icon, Foothill Ranch, CA 92610 (US).

(72) **Inventors; and**

(75) **Inventors/Applicants** (for US only): **MCCABE, Brock, Scott** [US/US]; 23402 Mammoth Cave Drive, Laguna Niguel, CA 92677 (US). **SAYLOR, Ryan** [US/US]; 28245 Leticia, Mission Viejo, CA 92692 (US). **REYES, Carlos, D.** [US/US]; 7 Via Silla, Rancho Santa Margarita, CA 92688 (US).

(74) **Agent**: **DELANEY, Karoline, A.**; Knobbe, Martens, Olson & Bear, LLP, 2040 Main Street, 14th Floor, Irvine, CA 92614 (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, 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, 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, PE, PG, PH, PL, PT, RO, RS, RU, 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, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, 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, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

Published:

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

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(54) **Title**: EYEWEAR WITH CHROMA ENHANCEMENT

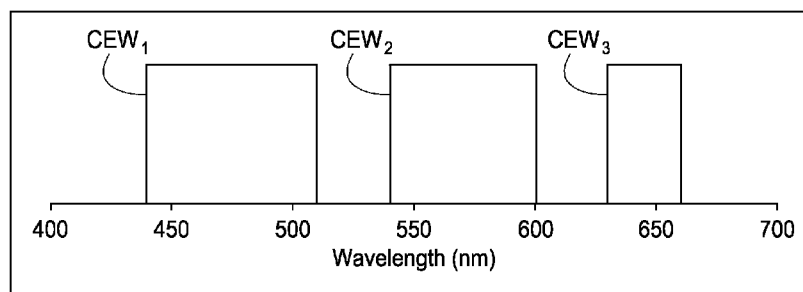


FIG. 43

(57) **Abstract**: Some embodiments provide a lens including a lens body and an optical filter configured to attenuate visible light in a plurality of spectral bands. Each of the plurality of spectral bands can include an absorbance peak with a spectral bandwidth, a maximum absorbance, and an integrated absorbance peak area within the spectral bandwidth. An attenuation factor obtained by dividing the integrated absorbance peak area within the spectral bandwidth by the spectral bandwidth of the absorbance peak can be greater than or equal to about 0.8 for the absorbance peak in each of the plurality of spectral bands.