



(51) International Patent Classification:

G02B 1/04 (2006.01) B29D 11/00 (2006.01)

(21) International Application Number:

PCT/US2011/064568

(22) International Filing Date:

13 December 2011 (13.12.2011)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/422,382 13 December 2010 (13.12.2010) US

(71) Applicant (for all designated States except US): NO-VARTIS AG [CH/CH]; Lichtstrasse 35, CH-4056 Basel (CH).

(72) Inventor; and

(75) Inventor/Applicant (for US only): DOMSCHKE, Angelika, Maria [US/US]; 3379 Ennfield Way, Duluth, Georgia 30096 (US).

(74) Agent: HU, Sheng-Hsin; CIBA VISION Corporation, 11460 Johns Creek Parkway, Johns Creek, Georgia 30097 (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, QA, RO, RS, RU, RW, 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, 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).

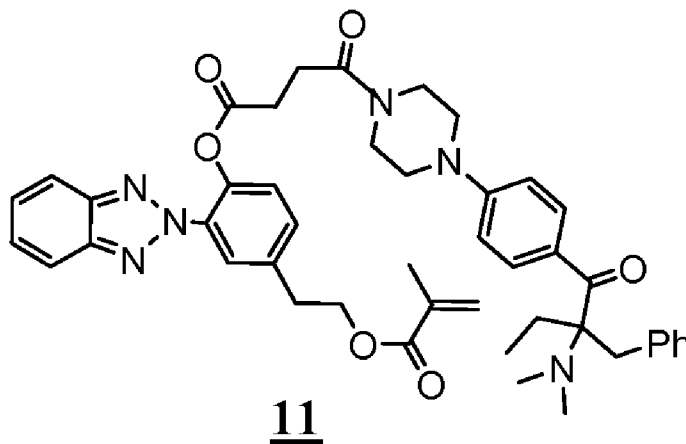
Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

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

(54) Title: OPHTHALMIC LENSES MODIFIED WITH FUNCTIONAL GROUPS AND METHODS OF MAKING THEREOF



(57) Abstract: Described are methods for covalently attaching one or more functional compounds to an ophthalmic lens. The method involves (a) contacting the lens with a functional compound, wherein the functional compound comprises at least one group capable of forming a covalent bond with the lens upon exposing the lens to irradiation and/or heat; and (b) irradiating and/or heating the lens produced in step (a) to covalently attach the functional compound to the lens. Also described herein are ophthalmic lens produced by the methods described herein.