



(51) International Patent Classification:

G02B 1/115 (2015.01) G02B 1/14 (2015.01)

(21) International Application Number:

PCT/IB2019/050214

(22) International Filing Date:

11 January 2019 (11.01.2019)

(25) Filing Language:

Italian

(26) Publication Language:

English

(30) Priority Data:

102018000000730 11 January 2018 (11.01.2018) IT

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(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, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, 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, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, 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, KM, 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))
- of inventorship (Rule 4.17(iv))

(54) Title: LENS COATING LAYER

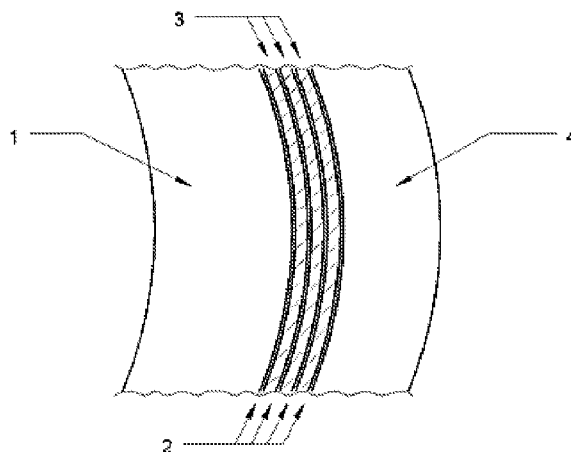


Figure 1

(57) Abstract: The present invention relates to a lens having a refractive index n_1 coated at least partially on at least one of its surfaces with a layer of an anti-scratch lacquer having a refractive index n_2 lower than n_1 , wherein between said lens and said layer of anti-scratch lacquer a coating layer comprising at least 3 sub-layers of at least one compound selected from the group consisting of Zirconium oxide, Silicon oxide, Titanium oxide, Tantalum oxide, Iridium oxide, Silver oxide and Magnesium fluoride is present, and wherein each of said at least 3 sub-layers has a thickness of lower than or equal to 100 nm. The invention also relates to a method for reducing or eliminating the iridescence phenomenon of a lens coated with an anti-scratch lacquer layer having a refractive index lower than the refraction index of the lens.



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))*
- *in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE*

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

03 October 2019 (03.10.2019)

INTERNATIONAL SEARCH REPORT

International application No

PCT/IB2019/050214

A. CLASSIFICATION OF SUBJECT MATTER

INV. G02B1/115 G02B1/14
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C03C B32B G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 2015/355380 A1 (APITZ DIRK [CH] ET AL) 10 December 2015 (2015-12-10)	1,2,4,5, 10,14,15
Y	paragraphs [0084], [0049], [0053]; figures 8, 1	3,8,9, 11,16
X	US 2009/098409 A1 (YAMADA KAZUHIRO [JP] ET AL) 16 April 2009 (2009-04-16) paragraphs [0017], [0021], [0032], [0035], [0036], [0038], [0008], [0022]; figure 3	1,6,7, 10,12,13
Y	US 5 168 003 A (PROSCIA JAMES W [US]) 1 December 1992 (1992-12-01) column 8, line 1 column 6, line 46 - line 47 column 7, line 65 - column 8, line 2	3,8,9, 11,16
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See patent family annex.

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Date of the actual completion of the international search

2 April 2019

Date of mailing of the international search report

16/08/2019

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No

PCT/IB2019/050214

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 00/31569 A1 (SOLA INT HOLDINGS [AU]; YIP BRANDON [AU]; ADAMS BRIAN DOUGLAS [AU]) 2 June 2000 (2000-06-02) page 2, line 1 - line 4 -----	9,16

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IB2019/050214

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