

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
06 December 2018 (06.12.2018)



(10) International Publication Number
WO 2018/223070 A1

(51) International Patent Classification:

G02B 1/115 (2015.01) G02B 1/18 (2015.01)
G02B 1/14 (2015.01) C03C 17/34 (2006.01)

(21) International Application Number:

PCT/US2018/035709

(22) International Filing Date:

01 June 2018 (01.06.2018)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/513,933 01 June 2017 (01.06.2017) US
62/651,617 02 April 2018 (02.04.2018) US

(71) Applicant: INTEVAC, INC. [US/US]; 3560 Bassett Street, Santa Clara, California 95054 (US).

(72) Inventors: **BLUCK, Terry**; 3128 Butte Street, Santa Clara, California 95051 (US). **SARAF, Gaurav**; 1610 Heritage Bay Court, San Jose, California 95138 (US). **HUNTER, James Craig**; 16254 Azalea Way, Los Gatos, California 95032 (US). **HWANG, Changwan**; 55 River Oaks Place, Apt. 734, San Jose, California 95134 (US). **JOHNSON, Paul R. Markoff**; 125 Connemara Way, #78, Sunnyvale, California 94087 (US). **CHOI, Jae Ha**; 2508 Via Espada, Pleasanton, California 94566 (US).

(74) Agent: **BACH, Joseph**; Womble Bond Dickinson (us) LLP, P.O. Box 7037, Atlanta, Georgia 30357-0037 (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, 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).

Published:

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

(54) Title: OPTICAL COATING HAVING NANO-LAMINATE FOR IMPROVED DURABILITY

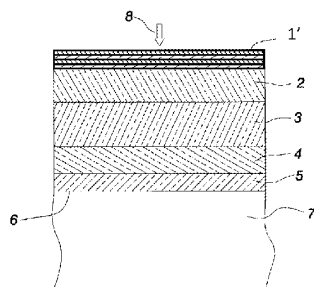


Figure 1B

(57) Abstract: An optical coating, such as anti-reflective coating (ARC) or colored coating for optical devices, suitable especially for mobile devices. The ARC is made up of alternating layers of low refractive index and high refractive index. At least one of the layers, preferably the top layer, is made up of nano-laminate. The nano-laminate is a structure of alternating nano-layers, each nano-layer made out of a material having refractive index similar to the layer it replaces. Optionally, each of the layers are made up of nano-laminates, such that a layer having low refractive index is made up of nano-laminates of nano-layers having low refractive index, while high index layers are made up of nano-laminate of nano-layers having high refractive index. Each of the nano-layers is of 2-10 nanometer thickness.

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