



(43) International Publication Date
4 December 2014 (04.12.2014)

WIPO | PCT

(10) International Publication Number
WO 2014/191474 A2

- (51) **International Patent Classification:**
C03C 17/00 (2006.01) *C03C 17/36* (2006.01)
- (21) **International Application Number:**
PCT/EP2014/061096
- (22) **International Filing Date:**
28 May 2014 (28.05.2014)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
BE 2013/0385 30 May 2013 (30.05.2013) BE
13197207.7 13 December 2013 (13.12.2013) EP
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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, 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,
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:

— *of inventorship (Rule 4.17(iv))*

Published:

— *without international search report and to be republished
upon receipt of that report (Rule 48.2(g))*

(54) **Title:** LOW-EMISSIVITY AND ANTI-SOLAR GLAZING

(57) **Abstract:** The invention relates to low-emissivity and anti-solar glazing systems that change only very little in properties when they are subjected to a heat treatment. They comprise a stack of thin layers comprising an alternating arrangement of n infrared radiation reflecting functional layers and $n + 1$ dielectric coatings, and a barrier layer directly superposed on the last functional layer furthest away from the substrate, characterised in that: (i) the first dielectric coating closest to the substrate comprises a layer made from an oxide, in direct contact with the substrate, (ii) the internal dielectric coating or coatings surrounded by two functional layers comprise a layer made from a silicon nitride or a silicon oxide with a thickness greater than 5 nm surrounded on both sides by layers made from an oxide other than silicon oxide with thicknesses greater than 5 nm, (iii) the barrier layer is based on zinc oxide or consists of an indium oxide possibly doped with tin, and (iv) the last dielectric coating furthest away from the substrate comprises, in order starting from the substrate: a layer made from an oxide other than silicon oxide with a thickness greater than 3 nm and a layer made from a silicon nitride or a silicon oxide with a thickness greater than 10 nm.



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