

Title (en)
SOLAR CONTROL GLASS ARTICLES

Title (de)
SONNENSCHUTZGLASARTIKEL

Title (fr)
ARTICLES EN VERRE DE CONTRÔLE SOLAIRE

Publication
EP 3821283 A4 20220413 (EN)

Application
EP 19834651 A 20190710

Priority
• IN 201841025968 A 20180712
• IN 2019050510 W 20190710

Abstract (en)
[origin: WO2020012502A1] A heat treatable solar control glass article (100) having rose or copper color glass side reflection comprising a transparent glass substrate (110) provided with a multilayer coating (200) having solar control properties is disclosed. The multilayer coating (200) comprises of one or more nickel or niobium alloy nitride functional layers (120), each sandwiched between two transparent dielectric layers (130a, 130b). The thickness of the dielectric layer (130b) provided above the functional layer (120) is greater than 100 nm and less than 160 nm and that of the dielectric layer (130a) provided above the transparent glass substrate (110) is greater than 5 nm and less than 20 nm. The heat treatable solar control glass article (100) exhibits rose or copper colored reflection on the side opposite to the side provided with the multilayer coating (200).

IPC 8 full level
G02B 5/28 (2006.01); **B32B 17/00** (2006.01); **B32B 17/10** (2006.01); **C03C 17/34** (2006.01); **C03C 23/00** (2006.01); **G02B 5/20** (2006.01); **G02B 5/26** (2006.01)

CPC (source: EP)
B32B 17/1011 (2013.01); **B32B 17/10201** (2013.01); **B32B 17/10761** (2013.01); **B32B 17/1077** (2013.01); **B32B 17/10788** (2013.01); **C03C 17/3435** (2013.01); **C03C 23/007** (2013.01); **G02B 5/208** (2013.01); **G02B 5/26** (2013.01); **B32B 2307/416** (2013.01); **B32B 2419/00** (2013.01); **C03C 2218/32** (2013.01)

Citation (search report)
• [X1] US 2011262726 A1 20111027 - KNOLL HARTMUT [DE], et al
• [X1] US 2012177899 A1 20120712 - UNQUERA JAVIER [ES], et al
• [A] DE 102014114330 A1 20160407 - ARDENNE GMBH VON [DE]
• [A] US 2004166328 A1 20040826 - STACHOWIAK GRZEGORZ [US]
• See references of WO 2020012502A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2020012502 A1 20200116; CO 2020016528 A2 20210118; EP 3821283 A1 20210519; EP 3821283 A4 20220413; MX 2021000406 A 20210325; PH 12020552198 A1 20210628

DOCDB simple family (application)
IN 2019050510 W 20190710; CO 2020016528 A 20201228; EP 19834651 A 20190710; MX 2021000406 A 20190710; PH 12020552198 A 20201217