Title (en)

UV-CURING PROTECTIVE COAT FOR THERMOPLASTIC SUBSTRATES

Title (de)

UV-HÄRTENDE SCHUTZSCHICHT FÜR THERMOPLASTISCHE SUBSTRATE

Title (fr)

COUCHE PROTECTRICE DURCISSABLE PAR UV POUR SUBSTRAT THERMOPLASTIQUE

Publication

EP 2007835 A1 20081231 (DE)

Application

EP 07723623 A 20070327

Priority

• EP 2007002677 W 20070327
• DE 102006016642 A 20060408

Abstract (en)

[origin: US2007237967A1] The present invention relates to a multi-layer product, the first layer being a UV-cured protective layer which contains SiO_2 nanoparticles, and the second layer containing a thermoplastic substrate. In addition, the invention relates to the composition of the UV-curable first layer, a process for the production of the multi-layer products and products, such as e.g. glazing products, which contain the named multi-layer products.

IPC 8 full level

C09D 133/06 (2006.01); **B32B 27/08** (2006.01); **B32B 27/30** (2006.01); **C08K 3/00** (2006.01); **C08K 5/00** (2006.01)

CPC (source: EP KR US)

B32B 27/08 (2013.01 - KR); **B32B 27/30** (2013.01 - KR); **B82Y 30/00** (2013.01 - EP US); **C08K 3/00** (2013.01 - KR);
C09D 133/06 (2013.01 - EP KR US); C08K 3/36 (2013.01 - EP US); C08K 5/005 (2013.01 - EP US); C08K 2201/011 (2013.01 - EP US);
Y10T 428/25 (2015.01 - EP US); Y10T 428/259 (2015.01 - EP US); Y10T 428/31507 (2015.04 - EP US); Y10T 428/31551 (2015.04 - EP US);
Y10T 428/31786 (2015.04 - EP US); Y10T 428/31797 (2015.04 - EP US); Y10T 428/31935 (2015.04 - EP US)

Citation (search report)

See references of WO 2007115678A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

US 2007237967 A1 20071011; **US 8753739 B2 20140617**; BR PI0710646 A2 20110823; CA 2648463 A1 20071018; CN 101466805 A 20090624;
CN 101466805 B 20130807; DE 102006016642 A1 20071018; EP 2007835 A1 20081231; JP 2009533242 A 20090917;
JP 5190447 B2 20130424; KR 101440635 B1 20141002; KR 20090038842 A 20090421; MX 2008012963 A 20081015;
RU 2008143913 A 20100520; TW 200808540 A 20080216; WO 2007115678 A1 20071018

DOCDB simple family (application)

US 73243707 A 20070403; BR PI0710646 A 20070327; CA 2648463 A 20070327; CN 200780021334 A 20070327;
DE 102006016642 A 20060408; EP 07723623 A 20070327; EP 2007002677 W 20070327; JP 2009504595 A 20070327;
KR 20087027388 A 20070327; MX 2008012963 A 20070327; RU 2008143913 A 20070327; TW 96111921 A 20070404