

Title (en)  
MULTILAYER COMPOSITE PLATE

Title (de)  
MEHRSCHICHTIGE VERBUNDPLATTE

Title (fr)  
PLAQUE COMPOSITE MULTICOUCHE

Publication  
**EP 2219883 B1 20121017 (DE)**

Application  
**EP 08863535 A 20081125**

Priority  
• EP 2008009961 W 20081125  
• DE 102007062407 A 20071220

Abstract (en)  
[origin: WO2009080171A1] The present invention relates to a composite plate having a surface which has excellent abrasion resistance and excellent stability of gloss. This composite plate comprises, according to a general inventive concept, (a) a core layer, (b) a decorative layer, (c) particles having a Mohs hardness of at least 8, (d) a binder arrangement within which the core layer and the decorative layer are provided and which forms a binder layer containing the particles which is arranged on the decorative layer, characterized in that (i) the surface of the composite plate formed by the binder layer has a gloss reduction after abrasive treatment in the gloss reduction test GR500 of not more 7%, with the original gloss being at least 80 GE, (ii) the particles have an average particle size in the range of 5-100  $\mu\text{m}$  and (iii) the loading of the composite plate with the particles, based on the surface area of the composite plate, is in the range of 21-35 g/m<sup>2</sup>.

IPC 8 full level  
**B44C 5/04** (2006.01)

CPC (source: EP)  
**B44C 5/0476** (2013.01); **E04F 15/02** (2013.01)

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

DOCDB simple family (publication)  
**DE 102007062407 A1 20090625; DE 102007062407 B4 20100512**; EP 2219883 A1 20100825; EP 2219883 B1 20121017;  
PL 2219883 T3 20130531; PT 2219883 E 20130128; RU 2010130085 A 20120127; RU 2449894 C2 20120510; WO 2009080171 A1 20090702

DOCDB simple family (application)  
**DE 102007062407 A 20071220**; EP 08863535 A 20081125; EP 2008009961 W 20081125; PL 08863535 T 20081125; PT 08863535 T 20081125;  
RU 2010130085 A 20081125