

Title (en)

Method and unit for producing highly abrasion-resistant protective coverings, in particular for floor and work surfaces

Title (de)

Verfahren und Anlage zur Herstellung von einer hochabriebfesten Beschichtung insbesondere für Bodenbeläge und Werkstückoberflächen

Title (fr)

Procédé et installation pour produire un revêtement hautement résistant à l'abrasion en particulier pour les sols et les surfaces de travail

Publication

EP 1216759 A2 20020626 (EN)

Application

EP 01130594 A 20011221

Priority

IT MI20002813 A 20001222

Abstract (en)

There are provided a method and unit (1) for producing highly abrasion-resistant protective coverings, in particular for floor and work surfaces. The method includes preparing a mixture (3) of a powdered abrasion-resistant substance (4) (e.g. corundum) evenly dispersed in a polymer resin (5) suitable for subsequent polymerization and/or cross-linking; applying the mixture (3) to a substantially dry sheet material (7) (in particular, nonimpregnated paper or a dried preimpregnated material with a low wet residue); and drying the sheet material (7) coated with the mixture (3). Tests have shown the covering so formed imparts to the surfaces on which it is applied an abrasion resistance superior to that obtainable using conventional methods (e.g. in which the abrasion-resistant powder is applied, pure or dispersed in a resin, to a wet preimpregnated material).
<IMAGE>

IPC 1-7

B05D 1/28; **B05D 3/02**

IPC 8 full level

B05C 1/08 (2006.01); **B05C 11/10** (2006.01); **B05D 1/28** (2006.01); **B44C 5/04** (2006.01); **D21H 27/28** (2006.01); **B05C 1/12** (2006.01)

CPC (source: EP)

B05C 1/0813 (2013.01); **B05C 1/0826** (2013.01); **B05C 1/0834** (2013.01); **B05C 1/086** (2013.01); **B05C 1/0865** (2013.01); **B05C 11/1039** (2013.01); **B05D 1/28** (2013.01); **B44C 5/0476** (2013.01); **D21H 27/28** (2013.01); **B05C 1/12** (2013.01)

Cited by

CN107670901A; CN106320071A; EP1502661A3; CN105903632A; CN108380456A; EP2319629A1; ITPD20090329A1; EP2942110A3; CN113171928A; EP1488938A1; JP2012524843A; ITMI20090680A1; RU2493971C2; US8445060B2; US9708769B2; WO2010121971A3

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1216759 A2 20020626; **EP 1216759 A3 20040121**; **EP 1216759 B1 20120201**; AT E543578 T1 20120215; ES 2381098 T3 20120523; IT 1319728 B1 20031103; IT MI20002813 A1 20020622

DOCDB simple family (application)

EP 01130594 A 20011221; AT 01130594 T 20011221; ES 01130594 T 20011221; IT MI20002813 A 20001222