

Title (en)

CERAMIC WALL CLADDING COMPOSITES WITH ELECTROMAGNETIC SHIELDING PROPERTIES

Title (de)

KERAMISCHE WANDVERKLEIDUNGSVERBÄNDE MIT ELEKTROMAGNETISCH ABSCHIRMENDEN EIGENSCHAFTEN

Title (fr)

STRUCTURES CÉRAMIQUES D'HABILLAGE MURAL PRÉSENTANT DES PROPRIÉTÉS DE BLINDAGE ÉLECTROMAGNÉTIQUE

Publication

EP 1972187 A1 20080924 (DE)

Application

EP 06841296 A 20061207

Priority

- EP 2006069415 W 20061207
- DE 102006001639 A 20060111

Abstract (en)

[origin: DE102006001639A1] Method for coating of substrates comprises supplying a substrate; applying a composition on at least one side of the substrate; drying the applied composition; and applying at least a coating on the side of the substrate in which composition is coated, where the coating contains a silane compound (I); and drying the applied coating; where the composition contains an inorganic compound with a metal or metal oxide of e.g. scandium, yttrium, and titanium, at least an element e.g. tellurium and selenium, an electrically conductive substance of e.g. metals or their particulates. Method for coating of substrates comprises supplying a substrate; applying a composition on at least one side of the substrate; drying the applied composition; and applying at least a coating on the side of the substrate in which composition is coated, where the coating contains a silane compound (I) of formula $((Z^{1>})Si(OR)^3)$, preferably 3-aminopropyl trimethoxysilane, 3-aminopropyl triethoxysilane and/or N-2-aminoethyl-3-aminopropyl trimethoxysilane; and drying the applied coating; where the composition contains an inorganic compound with a metal or metal oxide of scandium, yttrium, titanium, niobium, vanadium, chromium, molybdenum, tungsten, manganese, iron, cobalt, boron, aluminum, indium, thallium, silicon, germanium, tin, zinc, lead, antimony and/or bismuth, at least an element tellurium, selenium, sulfur, oxygen, antimony, arsenic, phosphorus, nitrogen, carbon and/or gallium, an electrically conductive substance of metals or their particulate, metal alloy or its particulate and/or conductive compounds containing carbon. Z $1>R$, OR or 3-glycidyl oxy propyl; and R : 1-18C or oxide particle of Ti, Si, Zr, Al, Y, Sn, Zn and/or Ce. An independent claim is included for a coated substrate, obtained by the above method.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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