

Title (en)

PROCESS FOR COATING A SURFACE OF A SUBSTRATE MADE OF NONMETALLIC MATERIAL WITH A METAL LAYER

Title (de)

VERFAHREN ZUR BESCHICHTUNG EINER OBERFLÄCHE EINES SUBSTRATS AUS EINEM METALLFREIEN MATERIAL MIT EINER METALLSCHICHT

Title (fr)

PROCEDE DE REVETEMENT D'UNE SURFACE D'UN SUBSTRAT EN MATERIAU NON METALLIQUE PAR UNE COUCHE METALLIQUE

Publication

EP 2561117 A1 20130227 (FR)

Application

EP 11723649 A 20110419

Priority

- US 28290610 P 20100419
- FR 1001663 A 20100419
- IB 2011051691 W 20110419

Abstract (en)

[origin: US2011256413A1] A process for coating a surface of a substrate made of nonmetallic material with a metal layer consisting of providing a substrate made of nonmetallic material; subjecting a surface of said substrate to a treatment for increasing the specific surface area thereof; subjecting the resulting surface to an oxidizing treatment; contacting the resulting substrate with a solution containing an ion of a metal from groups IB and VIII of the Periodic Table; obtaining a substrate comprising ions of a metal that are chemically attached to the nonmetallic material constituting the substrate on at least one of its surfaces; subjecting the ions to a reducing treatment to obtain a substrate comprising atoms of a metal that are chemically attached to the nonmetallic material constituting the substrate on a part of at least one of its surfaces; and contacting the resulting surface with a solution containing ions of a metal.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2011132144A1

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