

Title (en)
Method of fabricating a coated substrate

Title (de)
Verfahren zur Herstellung eines beschichteten Substrats

Title (fr)
Procédé de fabrication d'un substrat revêtu

Publication
EP 2947179 A1 20151125 (EN)

Application
EP 14305750 A 20140521

Priority
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Abstract (en)
The method of coating a substrate by sol-gel deposition comprises: - a step of depositing a layer of a first sol-gel composition on the substrate, the first sol-gel composition being intended to form a first film, the first sol-gel composition comprising at least one ruthenium dioxide (RuO₂) precursor and at least one inorganic matrix precursor; and - a step of firing the layer of first sol-gel composition up to a first temperature; and then - a step of depositing a layer of a second sol-gel composition on the layer of first sol-gel composition, the second sol-gel composition being intended to form an inorganic second film, ruthenium being substantially absent of the second sol-gel composition; and - a step of firing the layer of first sol-gel composition and the layer of second sol-gel composition up to a second temperature strictly higher than the first temperature, such as to obtain the first film comprising nanoparticles containing ruthenium dioxide (RuO₂) dispersed in an inorganic matrix, and the second film deposited on the first film, ruthenium being substantially absent of the second film.

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C23C 18/127 (2013.01); **C23C 18/1283** (2013.01)

Citation (search report)
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