

Title (en)

QUASI-CRYSTAL-BASED COMPOSITE COATING AND METHOD FOR MAKING SAME.

Title (de)

VERBUNDBESCHICHTUNG MIT QUASI-KRISTALLINER TRÄGERSCHICHT UND VERFAHREN ZU DERENHERSTELLUNG.

Title (fr)

REVETEMENT COMPOSITE A BASE DE QUASI-CRISTAUX ET SON PROCEDE DE FABRICATION.

Publication

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Application

EP 93914815 A 19930705

Priority

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- FR 9300691 W 19930705

Abstract (en)

[origin: FR2693185A1] A non-stick coating for surfaces such as those of cooking utensils, comprising a combination of a quasi-crystalline alloy base (2) forming a grid with a lower surface fully adhered to a matrix (1), and an upper surface having a specific porosity, and a PTFE-type polymer filling in the pores (6). A method for producing said coating, and the resulting surfaces, are also disclosed. The coating may be used in cooking, heat exchanging and tribology.

Abstract (fr)

L'invention concerne un revêtement anti-adhérent pour surfaces par exemple des surfaces pour ustensiles de cuisson, caractérisé en ce qu'il met en oeuvre en combinaison: une base (2) en alliage quasi-cristallin formant un réseau adhérent parfaitement par sa face inférieure sur une matrice (1) et présentant une surface supérieure à porosité particulière, un polymère de type PTFE remplissant les pores (6). L'invention concerne également un procédé d'obtention du revêtement ainsi que les surfaces obtenues.

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