

Title (en)

METHOD TO PREPARE THE PRODUCTION OF STRUCTURED METAL COATINGS USING PROTEINS

Title (de)

VERFAHREN ZUR VORBEREITUNG DER ERZEUGUNG STRUKTURIERTER METALLSCHICHTEN MIT HILFE VON PROTEINEN

Title (fr)

PROCEDE PERMETTANT DE PREPARER LA PRODUCTION DE COUCHES METALLIQUES STRUCTUREES A L'AIDE DE PROTEINES

Publication

**EP 0934553 A1 19990811 (DE)**

Application

**EP 97945795 A 19971027**

Priority

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Abstract (en)

[origin: DE19747377A1] Process for preparing the production of structured metal layers on substrate surfaces comprises: (a) applying protein-containing layers on the substrate surface, where the protein forms under the action of light a vectoral slope of a physical or chemical property between two compartments formed by the layer and the change of physical or chemical property is effected in one or both compartments so that metal ions or compounds are reduced to the metal or are accessible for a later reaction; and (b) partially irradiating the substrate.

IPC 1-7

**G03C 5/58**; **G03C 1/73**

IPC 8 full level

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