

Title (en)

PROCESS FOR PRODUCING A CRYSTALLINE SURFACE LAYER

Title (de)

VERFAHREN ZU HERSTELLUNG EINER KRISTALLINEN OBERFLÄCHENSCHICHT

Title (fr)

PROCÉDÉ D'ÉLABORATION D'UNE COUCHE SUPERFICIELLE CRISTALLINE

Publication

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Application

EP 11777643 A 20110411

Priority

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Abstract (en)

[origin: WO2011139206A1] A process for producing a crystalline surface layer consisting of Au₂Bi, AuGa₂, AuIn₂ or AuTe₂ is disclosed. The process comprises exposing a surface of gold to a liquid phase of Bi, Ga, In or Te at a predetermined temperature such that inter metallic crystals are formed, and removing any non-reacted Bi, Ga, In or Te from the surface. The process results in a substrate having a surface of coloured gold which gives a glittering appearance, and the substrate is thus suitable for jewellery applications.

IPC 8 full level

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