

Title (en)

Process for obtaining a gold alloy deposit of 18 carat 3N

Title (de)

Verfahren zur Herhaltung einer Beschichtung aus einer Goldlegierung 18 Karat 3N

Title (fr)

Procédé d'obtention d'un dépôt d'alliage d'or 18 carats 3N

Publication

EP 2505691 B1 20140312 (FR)

Application

EP 11160669 A 20110331

Priority

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Abstract (en)

[origin: EP2505691A1] The electroplating process for the deposition of a yellow gold alloy on an electrode immersed in a bath comprising a gold metal (1-10 g/l), an organometallic compound, a wetting agent, a chelating agent and a free cyanide, is claimed. The metal alloy includes copper (78.31 wt.%), and silver (0.16 wt.%), and a content of gold is 21.53 wt.%. A concentration of the wetting agent is 0.05-10 ml/l. A temperature of the bath is maintained at 50-90[deg] C, and a pH of the bath is 8-12. The process is carried out at a current density of 0.05-1.5 A.dm⁻² -> 2>. An independent claim is included for an electroplating device.

IPC 8 full level

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