

Title (en)

Electrolyte and method for electroplating decorative and technical layers of black ruthenium.

Title (de)

Elektolyt und Verfahren zur Abscheidung von dekorativen und technischen Schichten aus Schwarz-Ruthenium

Title (fr)

Electrolyte et procédé de dépôt électrolytique de couches décoratives et techniques de ruthénium noir.

Publication

EP 1975282 B1 20091118 (DE)

Application

EP 07006380 A 20070328

Priority

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Abstract (en)

[origin: EP1975282A1] A nontoxic electrolyte contains an electrolyte containing phosphonic acid derivatives as blackening additive. The concentration of ruthenium metal is 0.2-20 g/l with respect to electrolyte.

IPC 8 full level

C25D 3/52 (2006.01)

CPC (source: EP KR US)

C25D 3/52 (2013.01 - EP KR US); **C25D 3/54** (2013.01 - KR)

Cited by

DE102011105207A1; DE102011105207B4; WO2012171856A3; WO2012171856A2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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EP 07006380 A 20070328; AT 07006380 T 20070328; BR PI0809382 A 20080305; CN 200880014742 A 20080305; DE 502007002036 T 20070328; EP 2008001751 W 20080305; HK 10103898 A 20100421; JP 2010500099 A 20080305; KR 20097020293 A 20080305; TW 97108314 A 20080310; US 53229608 A 20080305