

Title (en)

BATH SYSTEM FOR GALVANIC DEPOSITION OF METALS

Title (de)

BADSYSTEM ZUR GALVANISCHEN ABSCHIEDUNG VON METALLEN

Title (fr)

SYSTEME DE BAIN POUR DEPOT DE METAUX PAR VOIE GALVANIQUE

Publication

**EP 1190118 B1 20100721 (DE)**

Application

**EP 00940346 A 20000608**

Priority

- DE 19928047 A 19990619
- EP 0005287 W 20000608

Abstract (en)

[origin: DE19928047A1] Use of pollutant-deficient to pollutant-rich aqueous systems for the galvanic deposition of precious metals and precious metal alloys is new. The pollutant-deficient to pollutant-rich aqueous systems contain gold and/or silver in the form of water-soluble protein amino acid derivative, a water-soluble sulfonic acid, a water-soluble nitro compound, a water-soluble nitrogen compound, a water-soluble commercial tenside, a water-soluble sulfone derivative, and optionally an alloying metal.

IPC 8 full level

**C25D 3/46** (2006.01); **C25D 3/48** (2006.01)

CPC (source: EP US)

**C25D 3/46** (2013.01 - EP US); **C25D 3/48** (2013.01 - EP US)

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

**DE 19928047 A1 20001221**; DE 50015960 D1 20100902; EP 1190118 A1 20020327; EP 1190118 B1 20100721; US 6620304 B1 20030916; WO 0079030 A1 20001228

DOCDB simple family (application)

**DE 19928047 A 19990619**; DE 50015960 T 20000608; EP 0005287 W 20000608; EP 00940346 A 20000608; US 98062701 A 20011204