

Title (en)
Electrode for electroplating components

Title (de)
Elektrode zum Galvanischen Beschichten von Bauteilen

Title (fr)
Electrode pour le revêtement électrolytique d'éléments

Publication
EP 0690151 A3 19981111 (DE)

Application
EP 95107450 A 19950517

Priority
DE 4419982 A 19940608

Abstract (en)
[origin: US5618396A] Work pieces to be galvanically coated or plated are held in place with a good electrical contact by a holding device having an electrically conducting hollow carrier (2), a magnet (3) removably mounted inside said hollow carrier (2) the ends of which are closable for protection of the magnet in a galvanic bath. A cover (4), with receptacles (28) or bore holes in which the work pieces or parts (12) are received, is clamped to the carrier (2) by a releasable clamping device (5). The magnet (3) is arranged alongside a contact surface (19) through which the magnet holds the parts (12), since the pole axis (P) of the magnet (3) extends perpendicularly to the contact surface (19) which may be formed by a machined surface of a carrier wall or by an electrically conducting ferromagnetic plate secured to the carrier.

IPC 1-7
C25D 17/06

IPC 8 full level
C25D 17/08 (2006.01); **C25D 17/06** (2006.01); **C25D 17/12** (2006.01)

CPC (source: EP US)
C25D 17/06 (2013.01 - EP US)

Citation (search report)

- [A] DE 520334 C 19310310 - LANGBEIN PFANHAUSER WERKE AKT
- [A] US 2911347 A 19591103 - GUTZMER ERNEST R
- [A] DE 2537362 C2 19861204
- [A] PATENT ABSTRACTS OF JAPAN vol. 006, no. 057 (C - 098) 14 April 1982 (1982-04-14)

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WO2004085714A1

Designated contracting state (EPC)
AT DE FR GB IT

DOCDB simple family (publication)
US 5618396 A 19970408; AT E199414 T1 20010315; DE 4419982 C1 19951026; DE 59509045 D1 20010405; EP 0690151 A2 19960103; EP 0690151 A3 19981111; EP 0690151 B1 20010228; JP H0841691 A 19960213

DOCDB simple family (application)
US 48089695 A 19950607; AT 95107450 T 19950517; DE 4419982 A 19940608; DE 59509045 T 19950517; EP 95107450 A 19950517; JP 13965495 A 19950606