Title (en)

PROCESS FOR ELECTROPLATING A WORK PIECE COATED WITH AN ELECTRICALLY CONDUCTING POLYMER

Title (de)

VERFAHREN ZUM ELEKTROPLATTIEREN EINES ELEKTRISCH MIT LEITENDEM POLYMER BESCHICHTETEN WERKSTÜCKS

Title (fr)

PROCEDE DE PLAQUAGE ELECTROLYTIQUE D'UNE PIECE ENDUITE D'UN POLYMERE ELECTRO-CONDUCTEUR

Publication

EP 1198624 A4 20030521 (EN)

Application

EP 01910324 A 20010220

Priority

- DE 10007435 A 20000218
- US 0101235 W 20010220

Abstract (en)

[origin: WO0161079A1] The object of the invention is to provide a process for electroplating a work piece (1) which is coated with an electrically conducting or modified polymer, wherein, independently of the work piece to be electroplated, it is possible to simultaneously reduce the current density and shorten the electroplating time. The invention includes, as a first step, that the work piece is connected to a current source (8) by multiple adjoining contact elements (5) and covered with a thin metallic coat, except at the points covered by the contact elements and that subsequently, in a second step, the contact elements are removed and an unbroken metal coat (10) is formed.

IPC 1-7

C25D 5/02

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

- [PX] US 6214180 B1 20010410 - LAKE ARDEN S [US], et al
- [PX] US 6197171 B1 20010306 - LOPERGOLO EMANUELE F [US], et al
- [A] US 5516416 A 19960514 - CANAPERI DONALD F [US], et al
- [A] US 5869139 A 19990209 - BIGGS GLEN N [US], et al
- [A] US 3767538 A 19731023 - POLITYCKI A, et al
- See references of WO 0161079A1

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DOCDB simple family (publication)

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US 0101235 W 20010220; AU 3794201 A 20010220; BR 0104544 A 20010220; CA 2369687 A 20010220; CN 01800987 A 20010220; DE 10007435 A 20000218; EP 01910324 A 20010220; IL 14589001 A 20010220; KR 20017013256 A 20011017; MX PA01010570 A 20010220; US 95910501 A 20011219