

Title (en)
FREELY DETACHABLE INSOLUBLE ANODE

Title (de)
FREI ABTRENNBARE UNLÖSLICHE ANODE

Title (fr)
ANODE INSOLUBLE POUVANT SE DETACHER LIBREMENT

Publication
EP 1026288 A4 20060322 (EN)

Application
EP 98933921 A 19980724

Priority
• JP 9803307 W 19980724
• JP 17433098 A 19980622

Abstract (en)
[origin: EP1026288A1] The invention provides an insoluble anode for use in an electrolytic plating apparatus for electrolytically plating a steel strip or like sheet continuously, the anode being rendered free of the likelihood that no nonconductive portions will develop locally from a plurality of recessed portions formed in the surface thereof for fitting bolt heads therein to thereby prevent uneven plating of the resulting product. In the insoluble anode (7) of the invention comprises an anode plate (1) removably fixed to an electrode substrate (2) with a plurality of bolts (3) screwed in from the anode plate side, a plurality of recessed portions (9) formed in an anode surface (8) for fitting heads of the bolts therein are so arranged that the sum of the areas occupied by the recessed portions (9) positioned within a rectangular hypothetical region having the length of the anode plate and an arbitrary width in the overall width thereof is not more than 10%, preferably not more than 8%, most preferably not more than 5%, of the area of the arbitrary hypothetical region. <IMAGE>

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C25D 17/12

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C25D 7/06 (2006.01); **C25D 17/12** (2006.01)

CPC (source: EP)
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Citation (search report)
• [Y] WO 9734029 A1 19970918 - ISHIFUKU METAL IND [JP], et al & US 6051118 A 20000418 - ASAKI TOMOYOSHI [JP], et al
• [Y] US 5626730 A 19970506 - SHIMAMUNE TAKAYUKI [JP], et al
• [Y] EP 0554793 A1 19930811 - TDK CORP [JP]
• [A] US 5489368 A 19960206 - SUITSU AKIHIRO [JP], et al
• [E] US 6051118 A 20000418 - ASAKI TOMOYOSHI [JP], et al
• See references of WO 9967448A1

Cited by
EP2236653A3; US8394245B2

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