

Title (en)
PLATINUM/ECA-1500 COMBINATION ANODE COATING FOR LOW PH HIGH CURRENT DENSITY ELECTROCHEMICAL PROCESS ANODES

Publication
EP 0215649 B1 19910123 (EN)

Application
EP 86307039 A 19860912

Priority
US 77591185 A 19850913

Abstract (en)
[origin: EP0215649A1] An anode for use in electroforming copper foil is formed by depositing a multilayer coating on a substrate of a film forming metal. At least one interior layer consists essentially of substantially pore free platinum which is applied electrolytically to a thickness of at least about 5 micrometers (about 200 microinches), and then densified by heat treating in an oxygen containing atmosphere at from 600 to 775 DEG C. At least one of the exterior layers consists essentially of at least 97% iridium oxide and up to about 3% rhodium oxide, which is applied by thermal decomposition of thermally decomposable platinum group metal compounds in an oxygen containing atmosphere at a temperature of not more than about 600 DEG C.

IPC 1-7
C25B 11/08; C25D 17/10

IPC 8 full level
C25D 5/50 (2006.01); **C23C 20/04** (2006.01); **C25B 11/04** (2006.01); **C25B 11/08** (2006.01); **C25C 7/02** (2006.01); **C25D 1/00** (2006.01); **C25D 3/38** (2006.01); **C25D 17/10** (2006.01); **C25D 17/12** (2006.01)

CPC (source: EP)
C25B 11/091 (2021.01); **C25C 7/02** (2013.01); **C25D 17/10** (2013.01)

Citation (examination)
PATENT ABSTRACTS OF JAPAN, unexamined application, E section, vol. 1, no. 37, April 18, 1977 THE PATENT OFFICE JAPANESE GOVERNMENT, page 2034 E 76, Kokai-no. 51-133 789 (KIYOTERU TAKAYASU)

Cited by
EP0598519A1; US5407556A; CN102471904A; EA020408B1; US8480863B2; WO2011012596A1

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AT BE CH DE FR GB IT LI LU NL SE

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