

Title (en)

Process for manufacturing a perforated nickel frame by electroforming.

Title (de)

Verfahren zur Herstellung eines perforierten Nickelrahmens durch Elektroformung.

Title (fr)

Procédé de fabrication par électroformage d'un cadre perforé en nickel.

Publication

EP 0341167 A1 19891108 (FR)

Application

EP 89420162 A 19890428

Priority

FR 8806428 A 19880502

Abstract (en)

Production, by electroforming, of perforated frames used especially for making up flat or cylindrical printing frames. According to the invention, the procedure is in two stages, with two separate electrochemical baths, the second bath containing a pyridinium compound of general formula: <IMAGE> in which: - R is an optionally substituted alkyl chain - R' is a hydrocarbon atom or a substituent group in any position relative to the nitrogen atom of the pyridinium nucleus.

IPC 1-7

C25D 1/08

IPC 8 full level

C25D 1/08 (2006.01)

CPC (source: EP US)

C25D 1/08 (2013.01 - EP US)

Citation (applicant)

- US 2226384 A 19401224 - NORRIS EDWARD O
- DE 1621157 A1 19710519 - RIEDEL & CO
- US 4478688 A 19841023 - DE HEK JOHAN A [NL]
- GUIDE DE L'ELECTRO- FORMAGE DU NICKEL, 1975, pages 52 - 53

Citation (search report)

- [A] EP 0006461 A1 19800109 - BASF AG [DE]
- [A] DE 1621157 A1 19710519 - RIEDEL & CO
- [A] US 4148797 A 19790410 - PLUSS KURT, et al
- [A] GB 2051130 A 19810114 - TOSHIN KOGYO CO
- [A] US 4397715 A 19830809 - MOHAN ANAND [NL], et al

Cited by

DE4013349A1; EP0558142A1; US5584983A; EP0492731A1; AU634920B2; US5282951A

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0341167 A1 19891108; EP 0341167 B1 19950628; AT E124471 T1 19950715; DE 68923217 D1 19950803; DE 68923217 T2 19951109; FR 2630753 A1 19891103; FR 2630753 B1 19920103; US 4913783 A 19900403

DOCDB simple family (application)

EP 89420162 A 19890428; AT 89420162 T 19890428; DE 68923217 T 19890428; FR 8806428 A 19880502; US 34714489 A 19890501