Title (en)

PROCESS FOR PRODUCING A BASE MOULD FOR ELECTROLYCALLY PRODUCING SEAMLESS ROTARY SCREEN PRINTING STENCILS, IN PARTICULAR OF NICKEL

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER MUTTERMATRIZE FÜR DIE GALVANISCHE ERZEUGUNG VON NAHTLOSEN ROTATIONS-SIEBDRUCKSCHABLONEN, INSBESONDERE AUS NICKEL

Title (fr)

PROCEDE POUR LA FABRICATION D'UNE MATRICE DE BASE POUR LA PRODUCTION ELECTROLYTIQUE DE POCHOIRS ROTATIFS, SANS SOUDURE, PRINCIPALEMENT EN NICKEL

Publication

EP 0694088 B1 19990519 (DE)

Application

EP 95908917 A 19950209

Priority

- DE 4404560 A 19940212
- EP 9500458 W 19950209

Abstract (en)

[origin: US5972194A] PCT No. PCT/EP95/00458 Sec. 371 Date Sep. 20, 1996 Sec. 102(e) Date Sep. 20, 1996 PCT Filed Feb. 9, 1995 PCT Pub. No. WO95/21951 PCT Pub. Date Aug. 17, 1995A process for producing a mold for electrolytically producing seamless rotary screen printing stencils is disclosed which includes the steps of: providing a metal mold body having a cylindrical outer surface; covering the outer surface with a sensitive layer such as a photo-sensitive layer, a thermo-sensitive layer or an electrically sensitive layer; exposing predetermined portions of the sensitive layer to a beam which is controlled electronically thereby creating exposed portions of the sensitive layer as well as unexposed portions of the sensitive layer; removing the unexposed portions of the sensitive layer; generating indentations in the metal body at locations where the unexposed portions of the sensitive layer have just been removed; removing the exposed portions of the sensitive layer; and filling the indentations with a non-conductive filler.

IPC 1-7

C25D 1/10; B41C 1/14

IPC 8 full level

B41C 1/14 (2006.01); **C25D 1/10** (2006.01)

CPC (source: EP US)

B41C 1/142 (2013.01 - EP US); **C25D 1/10** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE DE ES FR GB GR IT NL PT

DOCDB simple family (publication)

US 5972194 A 19991026; AT E180291 T1 19990615; AU 1706195 A 19950829; CN 1095881 C 20021211; CN 1123039 A 19960522; DE 4404560 C1 19950824; DE 59505958 D1 19990624; EP 0694088 A1 19960131; EP 0694088 B1 19990519; ES 2133736 T3 19990916; GR 3031024 T3 19991231; WO 9521951 A1 19950817

DOCDB simple family (application)

US 53513196 A 19960920; AT 95908917 T 19950209; AU 1706195 A 19950209; CN 95190085 A 19950209; DE 4404560 A 19940212; DE 59505958 T 19950209; EP 9500458 W 19950209; EP 95908917 A 19950209; ES 95908917 T 19950209; GR 990402102 T 19990818