

Title (en)

PROCESS AND SYSTEM FOR ELECTROCHEMICAL TREATMENT OF LONG STRETCHED-OUT ITEMS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ELEKTROCHEMISCHEN BEHANDELN LANGGESTRECKTER GEGENSTÄNDE

Title (fr)

PROCEDE ET INSTALLATION DE TRAITEMENT ELECTROCHIMIQUE D'OBJETS LONGILIGNES

Publication

EP 0874921 B1 20000112 (DE)

Application

EP 97940064 A 19970807

Priority

- DE 19632132 A 19960809
- DE 19722983 A 19970602
- EP 9704341 W 19970807

Abstract (en)

[origin: WO9806884A1] The invention relates to a process and a system for electrochemical treatment of long stretched-out items, especially sticks, wherein an item maintained by one end in a clamp (3) is introduced, along an as eccentric an axis as possible, into a hollow space with its longitudinal axis located in an electrode (30) mounted in a dipping bath and one wall of which is parallel to the axis. Said item is passed through at least one perforated and axially mobile protective mask (23, 26), thus protecting the part of the area not to be submitted to electrochemical treatment from the electrode. Besides, said item and electrode are connected to the poles of a current source. The system includes a treatment liquid tank (14) containing at least one electrode (30) having a hollow space, with a longitudinal axis and an axially-parallel wall, for introducing the item therein; It also includes a protective mask (23, 26) so mounted that it can move along the axis inside the hollow space, has openings for the passage of said item and is directed to protecting specific item areas from electrochemical treatment. Lastly, it includes at least one current source and electric connections from the connecting current source poles to the electrode and the item.

IPC 1-7

C25D 17/06; **C25F 7/00**

IPC 8 full level

C25D 5/02 (2006.01); **C25D 7/04** (2006.01); **C25D 17/06** (2006.01); **C25F 3/14** (2006.01); **C25F 7/00** (2006.01)

CPC (source: EP)

C25D 5/022 (2013.01); **C25D 7/04** (2013.01); **C25D 17/06** (2013.01); **C25F 7/00** (2013.01)

Cited by

WO2012068313A1

Designated contracting state (EPC)

BE DE ES FR GB IT

DOCDB simple family (publication)

WO 9806884 A1 19980219; EP 0874921 A1 19981104; EP 0874921 B1 20000112; ES 2142690 T3 20000416; JP 2000516303 A 20001205; JP 4139439 B2 20080827

DOCDB simple family (application)

EP 9704341 W 19970807; EP 97940064 A 19970807; ES 97940064 T 19970807; JP 50938898 A 19970807