

Title (en)

ELECTROCHEMICAL SURFACE TREATMENT DEVICE AND METHOD

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ELEKTROCHEMISCHEN OBERFLÄCHENBEHANDLUNG

Title (fr)

DISPOSITIF ET PROCEDE DE TRAITEMENT DE SURFACE ELECTROCHIMIQUE

Publication

EP 1761661 B1 20100811 (DE)

Application

EP 05753214 A 20050609

Priority

- EP 2005006203 W 20050609
- DE 102004031422 A 20040629

Abstract (en)

[origin: WO2006000301A1] The invention relates to a device for the electrochemical surface treatment of metal parts in an electrolyte bath (B). The device comprises a drum (12) which is rotatable about an axis (X) and provided with a shell (14) and sidewalls (16, 18). The sidewalls (16, 18) of the drum (12) are used as the anode in an electric circuit of the process and delimit, together with the shell (14), a gap-type working chamber (20) having a gap width (W) that is defined by the distance between the sidewalls (16, 18). The gap width (W) is chosen depending on the size and/or the geometry of the metal parts to be treated in the working chamber (20) in such a manner that all metal parts present in the working chamber (20) during the electrochemical surface treatment of the metal parts are subjected to substantially the same extent with current.

IPC 8 full level

C25F 7/00 (2006.01); **C25D 17/16** (2006.01); **C25F 3/00** (2006.01)

CPC (source: EP)

C25D 17/12 (2013.01); **C25D 17/18** (2013.01); **C25D 17/20** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102004031422 B3 20060105; AT E477355 T1 20100815; DE 502005010079 D1 20100923; EP 1761661 A1 20070314; EP 1761661 B1 20100811; PL 1761661 T3 20110131; WO 2006000301 A1 20060105

DOCDB simple family (application)

DE 102004031422 A 20040629; AT 05753214 T 20050609; DE 502005010079 T 20050609; EP 05753214 A 20050609; EP 2005006203 W 20050609; PL 05753214 T 20050609