

Title (en)

SYSTEM FOR SURFACE CHEMICAL OR ELECTROCHEMICAL TREATMENT OF SMALL METAL PARTS

Title (de)

VORRICHTUNG FÜR DIE CHEMISCHE ODER ELEKTROCHEMISCHE OBERFLÄCHENBEHANDLUNG VON KLEINEN METALLTEILEN

Title (fr)

SYSTÈME DE TRAITEMENT CHIMIQUE OU ÉLECTROCHIMIQUE DE SURFACE DE PETITES PIÈCES MÉTALLIQUES

Publication

**EP 2865788 B1 20180221 (EN)**

Application

**EP 14190019 A 20141023**

Priority

IT MI20131789 A 20131028

Abstract (en)

[origin: EP2865788A1] A system for surface chemical or electrochemical treatment of small metal parts, comprising a frame supporting a plurality of tanks (2) arranged in succession, each associated with a corresponding receptacle (10) for containing the parts, each receptacle (10) being rigidly supported by a corresponding shaft (11) rotating about itself and having means for driving its rotation that can be switched between a first operating mode, in which they are programmed to carry out a reiterated oscillation of the shaft (11) with a first rotation angle ( $\pm$ ) for subjecting the parts present in the receptacle (10) to mechanical shaking, and a second operating mode in which they are programmed to carry out a rotation of the shaft (11) with a second rotation angle ( $^{\circ}$ ) that is greater than the first rotation angle ( $\pm$ ) so as to bring the receptacle (10) into a position for unloading the parts present therein.

IPC 8 full level

**C25D 17/26** (2006.01); **B08B 3/04** (2006.01); **C25D 17/02** (2006.01)

CPC (source: EP)

**B08B 3/045** (2013.01); **C23G 3/00** (2013.01); **C25D 17/00** (2013.01); **C25D 17/02** (2013.01); **C25D 17/26** (2013.01); **C23C 22/00** (2013.01)

Cited by

CN107931234A; WO2022099721A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2865788 A1 20150429**; **EP 2865788 B1 20180221**; IT MI20131789 A1 20150429; PL 2865788 T3 20180731; TR 201807102 T4 20180621

DOCDB simple family (application)

**EP 14190019 A 20141023**; IT MI20131789 A 20131028; PL 14190019 T 20141023; TR 201807102 T 20141023