

Title (en)
CATALYTIC COATING AND METHOD OF MANUFACTURING THEREOF

Title (de)
KATALYTISCHE BESCHICHTUNG UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
REVÊTEMENT CATALYTIQUE ET SON PROCÉDÉ DE FABRICATION

Publication
EP 3175019 B1 20181128 (EN)

Application
EP 15742289 A 20150728

Priority
• IT MI20141363 A 20140728
• EP 2015067273 W 20150728

Abstract (en)
[origin: WO2016016243A1] The invention relates to a catalytic coating of surfaces of valve metals, for example titanium, suitable for operation in highly aggressive electrolytic environments such as electrolysis cells of hydrochloric acid. The coating may be used as catalytic activation of electrodes, for example for anodic evolution of chlorine, or for protection from crevice corrosion of flanges and other elements of electrolyzers subject to stagnation of liquid.

IPC 8 full level
C25B 1/26 (2006.01); **C25B 11/04** (2006.01)

CPC (source: CN EP RU US)
C25B 1/26 (2013.01 - CN EP RU US); **C25B 11/04** (2013.01 - RU); **C25B 11/093** (2021.01 - CN EP US)

Cited by
IT201800006544A1; CN112313368A; WO2019243163A1

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)
WO 2016016243 A1 20160204; AR 101828 A1 20170118; CN 106471159 A 20170301; CN 106471159 B 20190405; EP 3175019 A1 20170607; EP 3175019 B1 20181128; ES 2712403 T3 20190513; HU E041583 T2 20190528; JP 2017522457 A 20170810; JP 6714576 B2 20200624; PT 3175019 T 20190226; RU 2017106084 A 20180828; RU 2017106084 A3 20190115; RU 2689985 C2 20190530; TW 201604252 A 20160201; TW I679256 B 20191211; US 2017198403 A1 20170713

DOCDB simple family (application)
EP 2015067273 W 20150728; AR P150102307 A 20150721; CN 201580034498 A 20150728; EP 15742289 A 20150728; ES 15742289 T 20150728; HU E15742289 A 20150728; JP 2017505073 A 20150728; PT 15742289 T 20150728; RU 2017106084 A 20150728; TW 104119668 A 20150618; US 201515321419 A 20150728