

Title (en)
USE OF AN AQUEOUS NEUTRAL CLEANING SOLUTION AND METHOD FOR REMOVING ROUGING FROM STAINLESS STEEL SURFACES

Title (de)
VERWENDUNG EINER WÄSSRIGEN NEUTRALEN REINIGUNGSLÖSUNG UND VERFAHREN ZUR ENTFERNUNG VON ROUGINGBELÄGEN AUF ROSTFREIEN STÄHLEN

Title (fr)
UTILISATION D'UNE SOLUTION AQUEUSE NEUTRE DE NETTOYAGE ET PROCÉDÉ D'ÉLIMINATION DE COUCHES ROUGING SUR DES ACIERS INOXYDABLES

Publication
EP 2122011 A1 20091125 (DE)

Application
EP 09705741 A 20090130

Priority

- EP 2009051074 W 20090130
- EP 08150974 A 20080201
- EP 09705741 A 20090130

Abstract (en)
[origin: EP2090676A1] Use of an aqueous cleaning solution containing a reducing agent and at least one complexing agent to remove rouging on the medium contacted surface of rustless steel, preferably chromium/nickel or chromium/nickel/molybdenum steel in neutral pH range, is claimed. Independent claims are included for: (1) the aqueous cleaning solution containing a reducing agent and at least one, preferably two complexing agents; and (2) a process for the complete removal of rouging resting on the surface of rustless metal material, which is medium contacted surface of rustless steel, preferably chromium/nickel or chromium/nickel/molybdenum steel in neutral pH range, and subsequently repassivating the surface comprising treating the surface with the cleaning solution and completely removing the sediments and subsequently spraying with an aqueous solution containing oxidizing agent and/or with oxygen containing pure water, so that a rustless steel protective passive layer is formed.

IPC 8 full level
C23G 1/26 (2006.01); **C23F 14/02** (2006.01)

CPC (source: EP)
C11D 3/0042 (2013.01); **C11D 7/36** (2013.01); **C23F 14/02** (2013.01); **C23G 1/26** (2013.01); **C11D 2111/16** (2024.01)

Citation (search report)
See references of WO 2009095475A1

Cited by
DE102015114481B4; DE102015114481A1

Designated contracting state (EPC)
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 SE SI SK TR

Designated extension state (EPC)
RS

DOCDB simple family (publication)
EP 2090676 A1 20090819; AT E521732 T1 20110915; CH 699016 B1 20101029; DK 2122011 T3 20111121; EP 2122011 A1 20091125; EP 2122011 B1 20110824; WO 2009095475 A1 20090806

DOCDB simple family (application)
EP 08150974 A 20080201; AT 09705741 T 20090130; CH 14312009 A 20090130; DK 09705741 T 20090130; EP 09705741 A 20090130; EP 2009051074 W 20090130