

Title (en)

IMPROVED PROCESS FOR COLORING LOW TEMPERATURE CARBURIZED AUSTENITIC STAINLESS STEEL

Title (de)

VERBESSERTES VERFAHREN ZUM FÄRBEN VON EINSATZGEHÄRTETEM AUSTENITISCHEM EDELSTAHL MIT GERINGER TEMPERATUR

Title (fr)

PROCEDE AMELIORE POUR COLORER DE L'ACIER INOXYDABLE AUSTENITIQUE CEMENTE BASSE TEMPERATURE

Publication

EP 1984542 A1 20081029 (EN)

Application

EP 07749705 A 20070201

Priority

- US 2007002751 W 20070201
- US 77349706 P 20060215

Abstract (en)

[origin: US2007209948A1] A low temperature carburized stainless steel workpiece is colored by electropolishing followed by alternating current electrolysis in an electrolysis bath maintained at a neutral or slightly basic pH and containing ions of a metal having multiple valence states.

IPC 8 full level

C25D 5/18 (2006.01); **C25D 5/36** (2006.01); **C25D 9/04** (2006.01); **F16L 9/10** (2006.01)

CPC (source: EP KR US)

C23C 8/22 (2013.01 - EP KR US); **C23C 8/80** (2013.01 - EP KR US); **C25D 5/18** (2013.01 - EP KR US); **C25D 5/36** (2013.01 - EP KR US); **C25D 5/627** (2020.08 - EP KR US); **C25D 9/04** (2013.01 - EP KR US); **C25D 11/024** (2013.01 - EP KR US); **C25D 11/34** (2013.01 - EP KR US); **F16L 19/061** (2013.01 - EP US); **F16L 19/061** (2013.01 - KR); **F16L 2201/60** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2007108865A1

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 LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2007209948 A1 20070913; AU 2007227773 A1 20070927; CA 2640937 A1 20070927; CN 101384754 A 20090311; EP 1984542 A1 20081029; IL 192838 A0 20090211; JP 2009526914 A 20090723; KR 20080110991 A 20081222; WO 2007108865 A1 20070927

DOCDB simple family (application)

US 70105007 A 20070201; AU 2007227773 A 20070201; CA 2640937 A 20070201; CN 200780005407 A 20070201; EP 07749705 A 20070201; IL 19283808 A 20080716; JP 2008555258 A 20070201; KR 20087019522 A 20080808; US 2007002751 W 20070201