

Title (en)

METHOD FOR PASSIVATING METALLIC SURFACES BY USING ITACONIC ACID HOMOPOLYMERS OR COPOLYMERS

Title (de)

VERFAHREN ZUM PASSIVIEREN VON METALLISCHEN OBERFLÄCHEN UNTER VERWENDUNG VON ITACONSÄURE HOMO- ODER COPOLYMEREN

Title (fr)

PROCÉDÉ DE PASSIVATION DE SURFACES METALLIQUES À L'AIDE D'HOMOPOLYMÈRES OU DE COPOLYMÈRES D'ACIDE ITACONIQUE

Publication

**EP 1786953 A1 20070523 (DE)**

Application

**EP 05781183 A 20050804**

Priority

- EP 2005008445 W 20050804
- DE 102004041142 A 20040824

Abstract (en)

[origin: WO2006021309A1] The invention relates to a method for passivating metallic surfaces by treating the surface with an acidic, aqueous solution which comprises at least one homopolymer or copolymer of itaconic acid. The invention also relates to passivation layers and metallic surfaces that can be obtained by the inventive method.

IPC 8 full level

**C23C 22/53** (2006.01); **C09D 5/08** (2006.01); **C23C 22/56** (2006.01); **C23F 11/173** (2006.01)

CPC (source: EP US)

**C09D 5/08** (2013.01 - EP US); **C23C 22/08** (2013.01 - EP US); **C23C 22/53** (2013.01 - EP US); **C23C 22/56** (2013.01 - EP US); **C23C 22/78** (2013.01 - EP US); **C23C 22/83** (2013.01 - EP US)

Citation (search report)

See references of WO 2006021309A1

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)

**DE 102004041142 A1 20060302**; CA 2575008 A1 20060302; CN 100554509 C 20091028; CN 101006201 A 20070725; EP 1786953 A1 20070523; JP 2008510603 A 20080410; JP 4514794 B2 20100728; US 2009007990 A1 20090108; WO 2006021309 A1 20060302

DOCDB simple family (application)

**DE 102004041142 A 20040824**; CA 2575008 A 20050804; CN 200580028097 A 20050804; EP 05781183 A 20050804; EP 2005008445 W 20050804; JP 2007528660 A 20050804; US 57402105 A 20050804