

Title (en)

PROCESS FOR METALLIZING NONCONDUCTIVE PLASTIC SURFACES

Title (de)

VERFAHREN ZUR METALLISIERUNG VON NICHTLEITENDEN KUNSTSTOFFOBERFLÄCHEN

Title (fr)

PROCÉDÉ POUR LA MÉTALLISATION DE SURFACES EN PLASTIQUE NON CONDUCTEUR

Publication

EP 2928984 A1 20151014 (EN)

Application

EP 13799621 A 20131206

Priority

- LT 2012110 A 20121207
- EP 2013075863 W 20131206

Abstract (en)

[origin: WO2014087004A1] The present invention relates to a process for metallizing nonconductive plastics using an etching solution free of hexavalent chromium. The etching solution is based on an sulphuric acidic solution comprising a source of chlorate ions and a vanadium compound. After the treatment of the plastics with the etching solution, the plastics are metallized by means of known processes.

IPC 8 full level

C09K 13/04 (2006.01); **C23C 18/16** (2006.01); **C23C 18/22** (2006.01); **C23C 18/24** (2006.01); **C23C 18/28** (2006.01); **C23C 18/30** (2006.01)

CPC (source: EP KR US)

C08J 7/044 (2020.01 - KR); **C08J 7/06** (2013.01 - KR); **C09K 13/04** (2013.01 - EP KR US); **C23C 18/2086** (2013.01 - EP KR US);
C23C 18/22 (2013.01 - KR); **C23C 18/24** (2013.01 - EP KR US); **C23C 18/285** (2013.01 - EP KR US); **C23C 18/30** (2013.01 - EP US);
C23C 18/34 (2013.01 - US); **C23C 18/36** (2013.01 - EP KR US); **C23C 18/40** (2013.01 - EP KR US); **C25D 3/12** (2013.01 - US);
C25D 3/38 (2013.01 - EP KR US); **C25D 5/34** (2013.01 - US); **C23C 18/1653** (2013.01 - EP KR US); **C23C 18/405** (2013.01 - EP KR US);
C25D 3/18 (2013.01 - EP KR US); **C25D 5/50** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2014087004A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2014087004 A1 20140612; BR 112015012930 A2 20170711; CA 2893664 A1 20140612; CA 2893664 C 20160315;
CN 104854216 A 20150819; EP 2928984 A1 20151014; JP 2015537122 A 20151224; KR 20150093214 A 20150817;
KR 20170039775 A 20170411; LT 2012110 A 20140725; LT 6070 B 20140925; US 2015307992 A1 20151029

DOCDB simple family (application)

EP 2013075863 W 20131206; BR 112015012930 A 20131206; CA 2893664 A 20131206; CN 201380063675 A 20131206;
EP 13799621 A 20131206; JP 2015546043 A 20131206; KR 20157018064 A 20131206; KR 20177009056 A 20131206; LT 2012110 A 20121207;
US 201314647499 A 20131206