

Title (en)

Process for the treatment of titanium or titanium alloy parts.

Title (de)

Verfahren zur Behandlung von Teilen aus Titan oder Titanlegierungen

Title (fr)

Procédé de traitement d'une pièce en titane ou alliage de titane et pièce obtenue.

Publication

EP 1743952 B1 20150826 (FR)

Application

EP 06290963 A 20060613

Priority

FR 0507542 A 20050713

Abstract (en)

[origin: EP1743952A1] Surface treatment of parts made of titanium or titanium alloy comprises placing the parts in a container in a treatment vessel containing a gas comprising nitrogen and 1-99% hydrogen or inert gas e.g. argon, heating the parts, generating activated chemical species by activating the gas outside the container, introducing the activated species into the container through an opening small enough to prevent plasma ignition inside the container, contacting the surface of the parts with the activated species for a treatment time and allowing the parts to cool.

IPC 8 full level

C23C 8/36 (2006.01)

CPC (source: EP)

C23C 8/36 (2013.01)

Cited by

CN108866474A; CN112243464A

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)

EP 1743952 A1 20070117; EP 1743952 B1 20150826; ES 2551127 T3 20151116; FR 2888586 A1 20070119; FR 2888586 B1 20080111; PL 1743952 T3 20160129

DOCDB simple family (application)

EP 06290963 A 20060613; ES 06290963 T 20060613; FR 0507542 A 20050713; PL 06290963 T 20060613