

Title (en)

Method of coloring titanium and its alloys through anodic oxidation

Title (de)

Verfahren zum Färben von Titanium und seinen Legierungen durch anodische Oxidation

Title (fr)

Méthode de coloration de titanium et ses alliages par oxydation anodique

Publication

EP 1199385 A3 20040204 (EN)

Application

EP 01124684 A 20011016

Priority

IT MI20002263 A 20001019

Abstract (en)

[origin: EP1199385A2] The following is a method of coloring titanium and titanium alloys through anodic oxidation in an electrolytic bath. This method is characterized by the fact that titanium and its alloys undergo a preliminary anodic treatment at a constant potential in an electrolytic bath consisting of hydrohalogen acids or salts, fluoboric, fluosilic, acetic, oxalic, tartaric, nitric, phosphoric acids and their mixtures, possibly in the presence of oxidizing agents.

IPC 1-7

C25D 11/26

IPC 8 full level

C25D 11/26 (2006.01)

CPC (source: EP)

C25D 11/26 (2013.01)

Citation (search report)

- [A] US 2965551 A 19601220 - HENRI RICHAUD
- [AD] US 5160599 A 19921103 - KOBAYASHI KENZO [JP], et al
- [X] DATABASE WPI Section Ch Week 198944, Derwent World Patents Index; Class M11, AN 1989-321514, XP002264124
- [A] DATABASE WPI Section Ch Week 198221, Derwent World Patents Index; Class M11, AN 1982-43356E, XP002264125
- [A] PATENT ABSTRACTS OF JAPAN vol. 014, no. 578 (C - 0791) 21 December 1990 (1990-12-21)

Cited by

CN111155159A; CN102115902A; CN109346727A

Designated contracting state (EPC)

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EP 1199385 A2 20020424; EP 1199385 A3 20040204; EP 1199385 B1 20120725; IT 1319225 B1 20030926; IT MI20002263 A1 20020419

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