

Title (en)

Method of creating a protective coating on flat products made of titanium zinc

Title (de)

Verfahren zur Herstellung einer Schutzschicht auf Flacherzeugnissen aus Titanzink

Title (fr)

Procédé de fabrication d'une couche de protection sur des produits plats en zinc de titane

Publication

EP 2402484 B1 20121024 (DE)

Application

EP 11005194 A 20110627

Priority

DE 102010025707 A 20100630

Abstract (en)

[origin: EP2402484A1] Producing a protective layer with a gray tint on rolled flat products made of titanium-zinc alloy or its derived products comprises treating the product with an acidic aqueous coating solution, where the treatment solution, which is prepared in 1000 cm³ of water, comprises (in g) phosphoric acid (20-50), saturated oxalic acid and/or malonic acid (20-50), ammonium nitrate (2-5), copper containing compounds (0.1-5), which form cuprous or cupric ions in the treatment solution. An independent claim is also included for flat-rolled semi-finished products of titanium-zinc alloy with the protective layer with a gray tint, produced by the above mentioned method.

IPC 8 full level

C23C 22/47 (2006.01); **C23C 22/10** (2006.01)

CPC (source: EP)

C23C 22/10 (2013.01); **C23C 22/47** (2013.01)

Cited by

CN103849868A; CN114000132A; CN103849866A

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

DOCDB simple family (publication)

EP 2402484 A1 20120104; **EP 2402484 B1 20121024**; DE 102010025707 A1 20120105; ES 2395005 T3 20130207

DOCDB simple family (application)

EP 11005194 A 20110627; DE 102010025707 A 20100630; ES 11005194 T 20110627