

Title (en)

Multivalent electrolytic process for the surface treatment of non ferrous metallic material

Title (de)

Multivalentes elektrolytisches verfahren für die oberflächenbehandlung von nichteisenhaltigen metallischen werkstoffen

Title (fr)

Procédé électrolytique multivalent pour le traitement de surface de matériaux métalliques non ferreux

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Application

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Priority

IT MI20052278 A 20051129

Abstract (en)

A process for the electrolytic treatment of non-ferrous metal materials, such as for example magnesium, aluminium, titanium, vanadium and alloys thereof, particularly a process for the production of a surface coating which has both an aesthetic and a protective function. Said process comprises at least one main treatment stage or anodic stage carried out in a tank or cell, using an alkaline solution which allows the simultaneous treatment of metal materials, even different metals, and/or materials made from alloys and/or combinations and/or other kind of various metals coupled together. An object of the present invention is also products made from non-ferrous metal materials, provided with surface coatings obtained according to the above process.

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Cited by

CN103938252A; CN107227480A; CN107227479A; CN107217290A; US10941502B2; WO2017070780A1; US9816188B2; WO2010112914A1; EP3245317B1; EP3245317B2

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