

Title (en)
ALLOY FOR CORROSION-RESISTANT COATINGS OR SURFACE COATINGS

Title (de)
LEGIERUNG FÜR KORROSIONSBESTÄNDIGE BESCHICHTUNGEN ODER OBERFLÄCHENBESCHICHTUNGEN

Title (fr)
ALLIAGE POUR REVETEMENTS RESISTANT A LA CORROSION OU POUR REVETEMENTS DE SURFACE

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• IT PR970039 A 19970710

Abstract (en)
[origin: WO9902745A1] The invention falls within the field of anti-corrosive alloys and relates in particular to an alloy containing cobalt, chromium, aluminium, yttrium, silicon, a metal from the second main group, together with the corresponding oxide, in the following proportions: chromium (Cr) 26.0-30 %; aluminium (Al) 5.5-13.0 %; yttrium (Y) 0.3-1.5 %; silicon (Si) 1.5-4.5 %; metal from the second main group (magnesium, calcium, barium, strontium) 0.1-2.0 %; oxide of the corresponding metal from the second main group 0.1-2.0 %; cobalt (Co) remaining percentage. Preferably, tantalum (Ta) is also added in a proportion of 0.5-4.0 %, and the remaining percentage of cobalt is replaced by a remaining percentage of Me, Me being understood to mean a metal which may be nickel (Ni) or iron (Fe) or cobalt (Co) or a composition comprising Ni-Fe-Co, Ni-Fe, Ni-Co, Co-Fe.

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