

Title (en)
CORROSION-RESISTANT AI-BASED STRUCTURAL MEMBER AND METHOD FOR MANUFACTURE THEREOF

Title (de)
KORROSIONSBESTÜNDIGES BAUTEIL AUF AI-BASIS UND HERSTELLUNGSVERFAHREN DAF R

Title (fr)
ELEMENT STRUCTURAL A BASE D'AL, RESISTANT A LA CORROSION, ET SON PROCEDE DE FABRICATION

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Application
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Abstract (en)
A corrosion-resistant AI-based structural member (1) is provided that has a base layer (2) adhered to the surface of an AI-based structural member (10), and a corrosion-inhibiting coating (3) adhered to the surface of the base layer (2). The base layer (2) is made of Zn, and the corrosion-inhibiting coating (3) is made of a trivalent Cr-containing chromate coating for Zn. It is thereby possible to provide a corrosion-resistant AI-based structural member equipped with a nonpolluting corrosion-inhibiting coating containing no hexavalent chromium. <IMAGE>

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