

[54] STRUCTURAL COMPONENT MADE OF A TITANIUM ALLOY AND COVERED BY A PROTECTIVE COATING AND METHOD FOR PRODUCING THE COATING

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[58] Field of Search 428/660, 651, 610, 621, 428/622, 623, 624, 632, 633

[56] References Cited

U.S. PATENT DOCUMENTS

Table with 3 columns: Patent Number, Date, Inventor, and Patent Number. Includes entries for Vigor, Wood, Tokuda et al., Hahn, Fujishiro et al., Lal et al., Manty et al., Baldi, Naik et al., and Grunke et al. (multiple entries).

FOREIGN PATENT DOCUMENTS

Table with 3 columns: Patent Number, Date, and Country. Includes entries for Fed. Rep. of Germany (3321231, 3742944).

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[57] ABSTRACT

A structural component of titanium or titanium alloy is provided with a protective coating made substantially of an oxidation resistant and diffusion inhibiting base layer (2), an intermediate layer (3) forming a titanium fire inhibiting layer, and a cover layer (4) forming a passivating sealing layer. These layers are applied by various methods.

8 Claims, 1 Drawing Sheet

