

[54] METHOD FOR PRODUCING A LAYER
PROTECTIVE AGAINST OXIDATION

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[21] Appl. No.: 283,745

[22] Filed: Dec. 13, 1988

[30] Foreign Application Priority Data
Dec. 18, 1987 [DE] Fed. Rep. of Germany 3742944

[51] Int. Cl.⁵ C23C 10/06; C23C 10/34;
C23C 10/48

[52] U.S. Cl. 427/12; 427/250;
427/328; 427/367; 427/398.4; 427/405;
427/436; 148/6; 148/13.1; 148/421; 148/DIG.
33; 148/269; 420/418; 204/38.1; 419/8; 419/46

[58] Field of Search 148/421, 437, 6, 13.1,
148/DIG. 30, DIG. 33; 427/250, 328, 367,
398.4, 405, 436; 420/418; 204/38.1

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[57] ABSTRACT

The quality or durability of an oxidation protective coating produced by alitizing or aluminizing on the surface of a structural component made of titanium or titanium alloy, is improved by adding niobium to the surface of the structural component. The addition may be accomplished prior to the aluminizing or during the aluminizing. Prior application may involve, for example, vapor deposition of the niobium. Simultaneous application involves including a niobium donator powder in the aluminizing powder mixture.

8 Claims, No Drawings