REPRCTIVE DESIGN USING TITANIUM

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Surmary

The effective and successful use of titanium requires the recognition, understanding and correct application of the unique combination of useful physical, mechanical and correction resistant properties which titanium possesses. These properties are considered in turn, and guidance is given to design for end use and fabrication, using available products and cost effective methods.

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This paper identifies and details the principal factors to be considered in successful and effective design using titanium. These ser, sechanical and thermal performance, corrosion resistance, practical aspects of fabrication and installation, request availability and weight

'Unnius is light and strong and has a family of alloys offering forms and properties appropriate to a vide variety of applications and superplications and seminated variety of applications and seminated variety of applications and seminated variety of the correct alloy, product form and seminated variety of the lowest cost design, seminated variety of the lowest cost design, successful use of the seminated variety of the lowest cost design, or the parameters for effective beaut transfer.

Itanium and its alloys are resistant to corresion in a wide range of agreeaive conditions. Outstanding resistance to seawart, brines, breckish waters and chlorides is of particular importance. Product exaliability is components. Faircaint techniques for resistance, farming , webling and other processes are well understood, and whilst different in once respects to those used for other seaks, are not to any applications statent more

The final section of this paper gives some background information on aniability and price, and the correct approach to coating titanium in its

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