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REFRACTORY METAL BACKING MATERIAL FOR WELD REPAIR

ABSTRACT OF THE DISCLOSURE

The present invention relates to a method for repairing components such as blades used in turbine engines. The method comprises the steps of placing a piece of refractory metal material over an area of the component to be repaired and depositing a repair filler metal material over the piece of refractory material in an amount sufficient to repair the component and welding the repair filler metal material in place. The refractory metal material may be selected from the group consisting of niobium, tantalum, molybdenum, tungsten, a metal having a melting point higher than the melting point of nickel, and alloys thereof and may be uncoated or coated.



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Figure 1