

MICROWAVE FABRICATION OF AIRFOIL TIPS

ABSTRACT OF THE DISCLOSURE

A method of producing a metallic component includes: providing a body made of a first alloy; providing a preform (36) comprising a metallic powder made of a second alloy and formed in the shape of an extension of the body; and heating the preform (36) with microwave energy to sinter the metallic powder together and to bond the preform (36) to the body. The method may be used to make new components as well as to repair or modify existing components.

Fig. 3