

METHODS AND APPARATUS FOR MACHINING COMPONENTS

ABSTRACT OF THE DISCLOSURE

A method of using a machining assembly (200) to machine a plurality of different turbine components that include a dovetail having a contoured profile. The method includes removably coupling a first set of retainers (206) into the machining assembly, the first set of retainers include an upper portion (220) having a profile (234) that substantially mirrors a portion (236) of the first dovetail, and a lower portion (222) having a profile (250) that substantially mirrors an opposite side (252) of the first dovetail, coupling a first turbine component (64) between the upper and lower portions such that the first turbine component is secured by the first set of retainers, coupling the machining assembly into a milling machine (402), and machining at least one seal groove into the dovetail of the first turbine component.

Fig. 4