ABSTRACT

DEVELOPMENTS IN OR RELATING TO DRUM ROTORS

A method of replacing a integrally bladed rotor section in a one-piece drum rotor, the method comprising removing the integrally bladed rotor section, replacing the integrally bladed rotor section with a replacement rotor section, and joining the replacement rotor section to the drum rotor by diffusion bonding under an axial contact pressure exerted between one or more respective pairs of bonding surfaces on the new rotor section and the drum rotor.

FIGURE 4