

GAS TURBINE BLADE HAVING A MONOCRYSTALLINE AIRFOIL

WITH A REPAIR SQUEALER TIP, AND REPAIR METHOD

ABSTRACT OF THE DISCLOSURE

A repaired gas turbine blade has a monocrystalline airfoil made of a first nickel-base superalloy, and a repair squealer tip welded to a tip of the airfoil. The repair squealer tip is made of a second nickel-base superalloy different from the first nickel-base superalloy and having less than about 0.15 weight percent total of carbon, boron, silicon, zirconium, and hafnium.

FIGURE 4