

GAS TURBINE ENGINE BLADE WITH VARIABLE DENSITY AND WIDE CHORD TIP

ABSTRACT

5 A blade for a gas turbine engine includes a body that includes an airfoil that
extends in a radial direction from a 0% span position near an airfoil base to a 100%
span position at an airfoil tip. The airfoil includes a first portion near the airfoil base
with a first density and includes a second portion near the airfoil tip with a second
density. The second density is less than the first density. The second portion
10 includes an increasing true chord length in the radial direction.

Figure 1