

Method And System For Increasing Propeller Thrust**ABSTRACT**

5 A method and system for increasing propeller thrust are provided. The
method comprising measuring initial values of geometric parameters of one or
more airfoil sections at one or more span-wise locations along a propeller blade;
calculating aerodynamic characteristics of the one or more measured airfoil
10 sections based on the initial values of the geometric parameters; conducting
aerodynamics analysis including varying values of the geometric parameters to
obtain one or more permutations of the calculated aerodynamic characteristics of
the one or more measured airfoil sections; identifying airfoil sections which show
an improvement in aerodynamic efficiency with variation in the geometric
15 parameters values, and corresponding improved geometric parameters values as
indicated by results of the aerodynamics analysis; and modifying the identified
airfoil sections to exhibit said improved geometric parameters values as
determined based on the results of the aerodynamics analysis.

20 **FIG. 6**