

ABSTRACT

AN APPARATUS AND A METHOD OF SHAPING AN EDGE OF AN AEROFOIL

An apparatus (100) for shaping an edge (46) of an aerofoil (44)
5 comprising a brush (102) and the brush (102) comprises a plurality of bristles
extending substantially parallel to each other. A motor (106) rotates the brush
(102) about an axis (108). The axis (108) is arranged substantially parallel to the
bristles of the brush (102). A support structure (110) holds the brush (102) such
that the axis (108) intersects a first surface (54) of the edge (46) of the aerofoil
10 (44) or holds the brush (102) such that the axis (108) intersects a second surface
(56) of the edge (46) of the aerofoil (44). There are means to move the brush
(102) such that the brush (102) contacts the first surface (54) of the edge (46) or
such that the brush (102) contacts the second surface (56) of the edge (46).
There are means to produce relative movement of the brush (102) and the
15 aerofoil (44) such that the first brush (102) moves longitudinally along the edge
(46) of the aerofoil (44) to shape the edge (46) of the aerofoil (44).

(Figure 3)