

METHOD FOR IMPROVING THE WEAR RESISTANCE OF
A SUPPORT REGION BETWEEN A TURBINE OUTER CASE AND
A SUPPORTED TURBINE VANE

ABSTRACT

A wear-resistant assembly of a turbine outer case (22) and a turbine vane (34) is fabricated by providing a turbine outer case (22), and a turbine vane (34) that, when assembled, is supported on the turbine outer case (22) in a support region such that a vane-support area (52) of the turbine vane (34) contacts a case-support area (54) of the turbine outer case (22). A wear-resistant material is welded to a weld area of at least one of the vane-support area (52) and the case-support area (54). In some circumstances, as where the turbine outer case (22) and the turbine vane (34) have previously been in service, material may be machined from the support region before the welding.

Fig. 3