

TURBINE NOZZLE SEGMENT AND REPAIR METHOD

ABSTRACT

A method of repairing a turbine nozzle segment (10) having at least one vane (12) disposed between outer (14) and inner (16) bands. The method includes using an salvageable part, such as honeycomb backing strip (18) remnant, from a nozzle segment (10) that is unrepairable, and joining the honeycomb backing strip (18) to a replacement casting. The replacement casting includes a tenon (20) formed on the inner band (16) that mates with a mortise (22) formed on the back side of the honeycomb backing strip (18).

A nozzle segment (10) and nozzle segment casting used in connection with the method is also disclosed.

Figure 5