

TURBINE NOZZLE SEGMENT AND METHOD OF REPAIRING SAME

ABSTRACT OF THE DISCLOSURE

A method for repairing a stationary turbine nozzle segment (10) having at least one vane disposed between outer and inner structural bands includes providing an engine-run turbine nozzle segment (10) having at least one vane disposed between outer and inner bands, wherein the outer band (14) and the vanes (12) are previously replaced components of the segment and the inner band is an original component of the segment (10); separating the inner band from the nozzle segment (10); repairing damage in the outer band (14) and/or the vane; and joining the outer band (14) and the vane to a newly manufactured replacement inner band segment (30). The replacement inner band segment (30) includes: a structural inner band; and an integral structural collar adapted to receive an inner end of the at least one vane.

Fig. 2