

## **TURBINE NOZZLE SEGMENT AND METHOD OF REPAIRING SAME**

### **ABSTRACT OF THE DISCLOSURE**

A method for repairing a turbine nozzle segment (10) having at least one vane (34) disposed between outer and inner bands (14,16) includes separating the inner band (16) from the nozzle segment (10), and joining the inner band (16) to a newly manufactured replacement casting (30) having an outer band (32) and at least one vane (34). The replacement casting (30) includes a mounting platform (44) formed on one end of the vane (34) and a boss (46) formed on the mounting platform (44). A collar (38) is joined to the inner band (16) and has a slot (42) formed therein. The boss (46) is then inserted into the slot (42), and the mounting platform (44) is received in a recess (40) formed in the inner band (16). Joining is completed by joining the boss (46) to the collar (38) and the mounting platform (44) to the inner band (16).

Figure 3