

SYSTEM AND METHOD FOR IN SITU REPAIR OF GAS TURBINE ENGINE CASING CLEARANCE

ABSTRACT

The present disclosure is directed to a system (100) and method for repairing an abradable material (70) coated on a casing of a gas turbine engine (10). The system (100) includes an articulating guide (102) configured to fit into an access port (62) of the gas turbine engine (10). Further, the articulating guide (102) has a proximal end (106) and a distal end (108). The system (100) also includes a repair tool (104) configured at a distal end (108) of the articulating guide (102). The repair tool (104) includes a body (110) having a proximal end (112) and a shaped distal end (114), with the shaped distal end (114) extending away from the body (110). Thus, the shaped distal body (114) is configured to trench out an area of the abradable material (70) comprising a defect (72). The system (100) also includes a filler material (120) for filling the trenched out area (125).

[Fig. 1]