

SYSTEM AND METHOD FOR IN SITU REPAIR OF TURBINE BLADES OF GAS TURBINE ENGINES

ABSTRACT OF THE DISCLOSURE

The present disclosure is directed to an improved system and method for repairing a bend in a turbine blade (100) of a turbine (28, 32) of a gas turbine engine (10). The system includes an articulating guide (114) configured to fit into an access port of the turbine (28, 32). The articulating guide (114) includes a proximal end (116) and a distal end (118). The system also includes a repair tool (112) configured at the distal end (118) of the articulating guide (114). Further, the repair tool (112) is configured to fit over the turbine blade (100). Thus, the repair tool (112) is configured to bend the turbine blade (112) to an unbent position while the turbine blade (112) is secured within the turbine (28, 32).

[Fig. 1]