

IN SITU GAS TURBINE PREVENTION OF CRACK GROWTH PROGRESSION

ABSTRACT OF THE DISCLOSURE

Methods for remotely joining material a surface area of a component 104 of a gas turbine engine 10 are provided. The method can include inserting an integrated repair interface attached to a cable delivery system 100 within a gas turbine engine 10; positioning a tip 134 of the integrated repair interface adjacent to a defect 106 defined within a surface of the component 104; temporarily attaching the tip adjacent to the defect 106 within the surface 105 of the component 104; and supplying a new material to the area to fill the defect 106.

[Fig. 1]