

IN SITU GAS TURBINE PREVENTION OF CRACK GROWTH PROGRESSION

ABSTRACT OF THE DISCLOSURE

A method for remotely stopping a crack in a component of a gas turbine engine is provided. The method can include inserting an integrated repair interface attached to a cable delivery system within a gas turbine engine; positioning the tip adjacent to a defect within a surface of the component; temporarily attaching the tip adjacent to the defect within the surface on the component; supplying a new material to the area to fill the defect; and heating the new material to fuse the new material to the component within the defect.

[Fig. 4]