

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 defined on a surface on the component; and locally heating the base of the defect. A method is also provided for clamping a crack defined between a first surface and a second surface of a component of a gas turbine engine. The method can include attaching a strap over the crack such that a first end of the strap is attached to the first surface of the component and the second end of the strap is attached to the second surface of the component.

[Fig. 4]