

**TURBINE COMPONENT TRAILING EDGE AND
PLATFORM RESTORATION BY LASER CLADDING**

ABSTRACT OF THE DISCLOSURE

A method of restoring a gas turbine engine component includes depositing a filler material onto a sulphidation section of an underside of a turbine engine platform and laser consolidating the filler material to produce a restored surface on the underside. The sulphidation section includes sulphidation pit portions that are filled during the laser consolidating to produce the restored surface. An eroded trailing edge of a turbine airfoil is laser clad to produce a restored trailing edge thickness.

Figure 8