

ADJUSTING COOLING AIRFLOW IN TURBINE COMPONENT BY DEPOSITING OVERLAY METALLIC COATING

ABSTRACT OF THE DISCLOSURE

A method for adjusting the airflow in a turbine component (22, 26) having a plurality of airflow holes (122). The method comprises the step of depositing an overlay metallic coating (130) on the surface (74, 82) of the turbine component (22, 26) in a manner such that at least some of the airflow holes (130) are partially filled such that the volume of the partially filled airflow holes (122) is changed so as to adjust the airflow through the turbine component (130). Also provided is a turbine component (22, 26) having a plurality of airflow holes (122), at least some of the airflow holes (122) being partially filled with the overlay metallic coating (130) to change the volume thereof so as to adjust the airflow through the turbine component (22, 26).

FIG. 2