

SYSTEM AND METHOD FOR CLEANING DEPOSIT FROM A COMPONENT OF AN ASSEMBLED, ON-WING GAS TURBINE ENGINE

ABSTRACT

Systems and methods for cleaning deposits from a component of an assembled, on-wing gas turbine engine are provided. Accordingly, the method includes operably coupling a delivery assembly to an annular inlet of a core gas turbine engine. A portion of cleaning fluid is atomized with the delivery assembly to develop a cleaning mist having a plurality of atomized droplets. The atomized droplets are suspended within any path of the core gas turbine engine from the annular inlet to an axial position downstream of a compressor of the core gas turbine engine. A portion of the cleaning mist is impacted or precipitated onto the component so as to wet the component, and a portion of the deposits on the component is dissolved by the cleaning mist.

[Figure 1]