SYSTEM AND METHOD FOR CLEANING TURBINE COMPONENTS

Abstract of the Disclosure

A furnace system includes at least one wall that defines a workspace. The workspace includes an aircraft part to be cleaned. One or more vacuum pumps are configured to achieve a predetermined vacuum level in the workspace. A gas purifier is configured to remove impurities in a gas to create a purified gas, the purified gas being directed from the gas purifier into the workspace, the purified gas being of a purity and composition that is effective to disassociate oxides on a surface or in a crack of the aircraft part to be cleaned when the workspace is heated to a predetermined temperature and the predetermined vacuum level is achieved in the workspace.

[Figure 1]