

NON-INVASIVE THERMAL MANAGEMENT PROCESSES FOR RESTORATING METALLIC DETAILS BONDED TO SUBSTRATES

ABSTRACT

A thermal management process for enabling the restoration of a surface of a metallic detail in the presence of at least one bonding material, comprising preparing at least one damaged area on a metallic detail; disposing at least one thermal management component upon a bonding material or a surface area proximate to the bonding material to which the metallic detail is joined; masking at least the surface area and the bonding material with a masking agent; and dimensionally restoring a surface of the metallic detail disposed on the article at a processing temperature lower than a temperature which would degrade the bonding material, the substrate, or the bondment interface therebetween.

Figure 5