

STRUCTURAL PRE-CURED REPAIR PATCH FOR REPAIR TO HIGHLY LOADED PRIMARY AND SECONDARY STRUCTURAL COMPONENTS

ABSTRACT

Provided is a method a method for reworking an article. The method includes forming a patch over an area of a composite structure requiring rework. The forming includes placing a first
5 film-adhesive over the area of the composite structure requiring rework, wherein the first film-adhesive extends over a first surface area of the structure including beyond an entirety of the area requiring rework, placing a first pre-cured ply stack over the first film-adhesive, wherein the first pre-cured ply stack extends over a second surface area of the composite structure; placing a second film-adhesive over the first pre-cured ply stack, wherein the second film-adhesive extends
10 over a third surface area of the composite structure; and placing a second pre-cured ply stack over the second film-adhesive, wherein the second pre-cured ply stack extends over a fourth surface area of the composite structure.

[FIG. 6]