METALLIC DOUBLER REPAIR OF COMPOSITE ARCUATE FLANGES

ABSTRACT OF THE DISCLOSURE

A doubler assembly repairs at least one damaged aperture of a composite flange. The doubler assembly includes an insert, an adhesive, and a support. The insert is positioned in the damaged aperture to provide compressive load transfer through the composite flange. The adhesive is positioned directly on at least a portion of the composite flange proximate the damaged aperture. The support is positioned over the adhesive.

Figure 1