

REPAIR OF DUAL WALLED METALLIC COMPONENTS USING DIRECTED ENERGY DEPOSITION MATERIAL ADDITION

ABSTRACT

A technique for repairing a dual walled component comprising a spar comprising a plurality of pedestals and a coversheet attached to the plurality of pedestals may include removing a damaged portion of the coversheet from the dual walled component to expose a plurality of exposed pedestals and define a repair location and an adjacent coversheet portion. The technique also may include attaching a material to the plurality of exposed pedestals and adjacent coversheet portion using directed energy deposition material addition to form a repaired coversheet portion.

FIG. 10