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(54) Title: SYSTEM AND METHOD FOR REPAIRING COMPOSITE PARTS

(57) Abstract: A composite repair system and method for assisting in the repair of a cured composite part in which a damaged portion has been cut out and removed, exposing a plurality of composite plies and their corresponding composite ply edges. The composite repair system may comprise a light source to illuminate the ply edges, an image capturing device to obtain an image of the ply edges, and a computing device for processing the image of the ply edges and creating a map of the ply edges based on the image. The map may be used to manufacture filler plies having peripheral edges shaped to correspond with the composite ply edges for replacing the damaged portion of the composite part.



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