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(54) **METHOD FOR MANUFACTURING FIBRE LAYERS**

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(58) **Field of Classification Search**
None
See application file for complete search history.

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(57) **ABSTRACT**

A method of manufacturing a three-dimensional preform for a structural component made of a fiber composite material includes simultaneously laying a plurality of dry fibers on a workpiece carrier having a contour that corresponds to an intended three-dimensional shape of the perform and then fixing the fibers on an edge of the workpiece carrier. These steps are repeated in accordance with a predetermined fiber laying pattern until the three-dimensional perform has been completely formed. In addition, between each repetition, the fibers are cut beyond a segment of the fibers fixed on the edge of the workpiece carrier. After the three-dimensional preform has been completely formed, the three-dimensional preform is removed from the workpiece carrier and transferred to a subsequent manufacturing step. An apparatus configured to perform this method is also disclosed.

20 Claims, 19 Drawing Sheets

