

Title (en)

METHOD AND SHAPING TOOL FOR PRODUCING A FIBRE COMPOSITE HOLLOW COMPONENT

Title (de)

VERFAHREN UND FORMGEBUNGSWERKZEUG ZUR HERSTELLUNG EINES FASERVERBUND-HOHLBAUTEILS

Title (fr)

PROCÉDÉ ET OUTIL DE FORMAGE POUR FABRIQUER UN COMPOSANT CREUX RENFORCÉ PAR DES FIBRES

Publication

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Application

**EP 14731977 A 20140624**

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Abstract (en)

[origin: WO2014206979A1] The invention concerns a method and a shaping tool for producing a fibre composite hollow component. The method comprises the following steps: (a) preparing an inflatable support structure (2); (b) applying fibrous material (4) to the support structure (2) in order to produce a preform (1); (c) introducing the preform (1) on the support structure (2) into a shaping tool (6); and (d) generating excess pressure (P) inside the support structure (2) such that the preform (1) is urged by the support structure (2) against shaping faces (7a, 8a) of the shaping tool (6). According to the invention, the support structure (2) comprises at least in sections a corrugated hose (3) or a corrugated hose-like element. The invention further concerns a shaping tool for producing a fibre composite hollow component from a preform comprising a fibrous material (4) which is applied to an inflatable support structure (2), the shaping tool (6) being designed and arranged to accommodate the preform (1) on the support structure (2) and introduce excess pressure (P) into the interior of the support structure (2).

IPC 8 full level

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US 2010294421 A1 20101125 - FUJIKI SOHEI [JP], et al

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