METHOD OF MANUFACTURING A COMPOSITE STRUCTURE INCLUDING A TEXTILE FABRIC ASSEMBLY

The invention relates to a textile fabric assembly (1) comprising at least two textile layers (2). The textile layers (2) are joined at a plurality of points (3) and/or along a plurality of lines (6) so that they form inner and outer walls, respectively. The invention also relates to a method of manufacturing a composite structure (10). The method may comprise providing a form (8) that has a shape corresponding to a desired shape of an internal cavity in the composite structure (10) to be manufactured. The textile fabric assembly (1) is arranged around the form (8), and a curable material (9) is filled into the at least one inner space (4) between the textile layers (2). The form (8) may be inflatable. Alternatively, the method may comprise arranging the textile fabric assembly (1) around an initial structure and/or mechanically fastened to a surface of an initial structure to be reinforced and then filling it with a curable material (9).

General information
State: Published
Organisations: Department of Civil Engineering, Section for Structural Engineering, Centre for oil and gas – DTU
Contributors: Fischer, G.
Publication date: 14 Jun 2017

Publication information
IPC: E04C 5/07 A I
Patent number: EP3178643
Date: 14/06/2017
Priority date: 10/12/2015
Priority number: EP20150199307
Original language: English
Electronic versions:
Source: espacenet
Source-ID: EP3178643
Research output: Research › Patent – Annual report year: 2017