

Title (en)

AUTOMATED THREE-DIMENSIONAL METHOD FOR MAKING INTEGRALLY STIFFENED SKIN PANELS

Title (de)

AUTOMATISIERTES DREIDIMENSIONALES VERFAHREN ZUR HERSTELLUNG VON INTEGRAL VERSTERKTEN VERKLEIDUNGSPANEELEN

Title (fr)

PROCEDE TRIDIMENSIONNEL AUTOMATISE POUR FABRIQUER DES PANNEAUX DE REVETEMENT A RAIDISSAGE INTEGRAL

Publication

EP 1019572 A1 20000719 (EN)

Application

EP 97916131 A 19970321

Priority

US 9704545 W 19970321

Abstract (en)

[origin: WO9842901A1] A method of making a three-dimensional stiffener having at least one wall (6, 8) extending outwardly from a generally planar base portion (4) comprises the steps of forming the base portion by weaving at least two layers (16, 18) using orthogonally disposed first and second yarn lengths (10, 12) and using a third plurality of yarn lengths (14) located within planes extending perpendicularly to the general plane of said stiffener. Each of said plurality of yarn lengths in said third plurality is woven between the topmost and bottommost ones (10, 12) of said plurality of first and second orthogonally disposed first and second yarn lengths. At least one stiffener wall (6) extending orthogonally to said plane is formed by overweaving along a given section of said planar portion and in a direction perpendicular to said general plane of said stiffener coincident with a section of one of said plurality of first and second yarn lengths.

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