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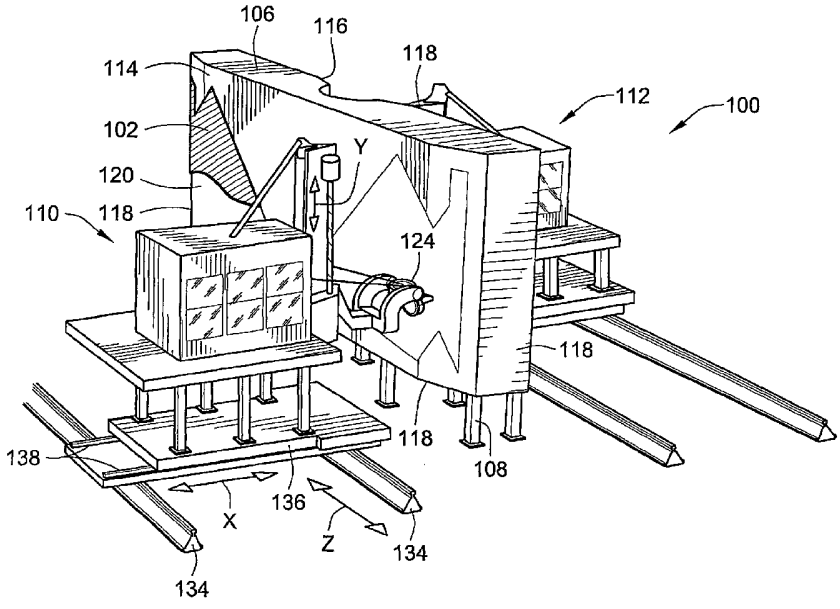
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(54) Title: FORMING A COMPOSITE STRUCTURE BY FILAMENT PLACEMENT ON A TOOL SURFACE OF A TABLET



(57) Abstract: A method and apparatus are provided for forming a composite structure with an automatic placement head, through the use of a non-rotating tooling tablet having first and second substantially oppositely facing surfaces thereof, joined around the peripheries thereof by a side surface of the tablet, with at least one of the first or second surfaces forming a tool surface of the tablet. Layers of pre-impregnated fiber or tape are applied to the tool surface of the tablet by the automated fiber placement head.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US05/13736

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **B32B 37/02**(2006.01)
B29C 70/38(2006.01)

USPC: 264/257,258,324

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 264/257,258,324

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 5,651,850 A (TURNER et al.) 29 July 1997 (29.07.1997), col. 4, line 60 through col. 5, line 15	1-2,4-5,7-8,12-19,21 --- 9-11, 20
X --- Y	US 4,557,790 A (WISBEY) 10 December 1985 (10.12.2005), col. 1, lines 7-20 and col. 2, lines 47-65	1-3, 12-13, 16

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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