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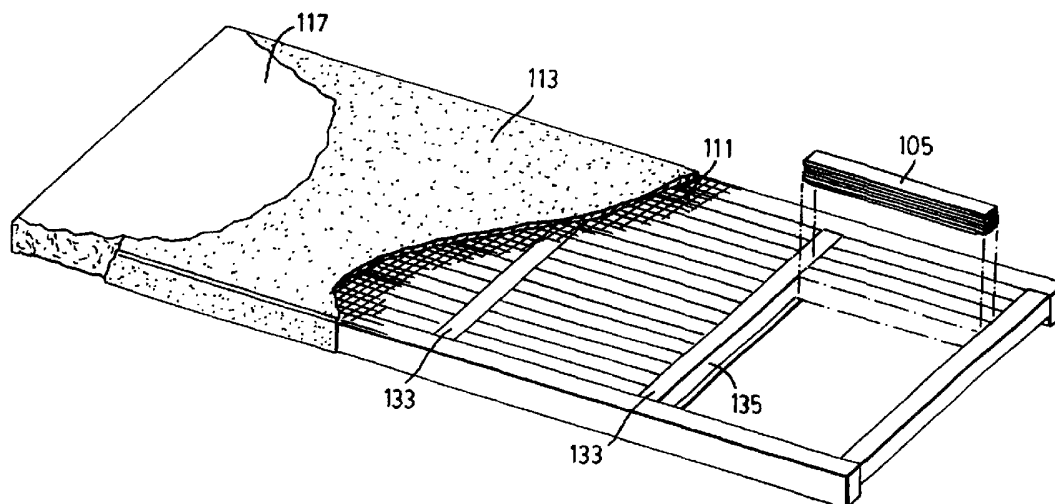
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(54) Title: COMPOSITE STRUCTURAL MEMBER



(57) Abstract: A composite structural panel is provided. The panel comprises a frame having a longitudinal frame axis; a plurality of beam elements (105) mounted in the frame, each of the beam elements (105) has a respective longitudinal beam axis generally parallel to the frame axis; a reinforcing fibre wrapping that extends around each of the beam elements, the wrapping has a fibre direction running generally obliquely to the beam axis; a plurality of wire strands (111) that extend about the wrapping, the wire strands (111) run generally parallel to the beam axis and the frame axis; an outer layer of reinforcing fibre mat (113) that surround the frame, the wrapped beams (105) and the wire strands (111), the mat has a majority of its fibres running generally parallel to the frame axis; and, a solidified epoxy resin (117) that extends throughout and encasing the beam elements (105), beam wrapping, wire strands (111), outer layer and frame.

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 E01D19/12 B32B3/02 B32B5/08 B32B5/26 B32B27/04
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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)

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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 practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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A	US 2002/020033 A1 (LANG ERIC JOHN) 21 February 2002 (2002-02-21) claims 1,3,5,9,12,13 page 1, paragraph 10 - paragraph 13 page 2, paragraph 16 ---	1-9
A	US 4 695 169 A (BAIGENT MAURICE G) 22 September 1987 (1987-09-22) claims 1,3-5 column 1, line 36 - line 47 column 2, line 14 - line 20 ---	1-9
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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