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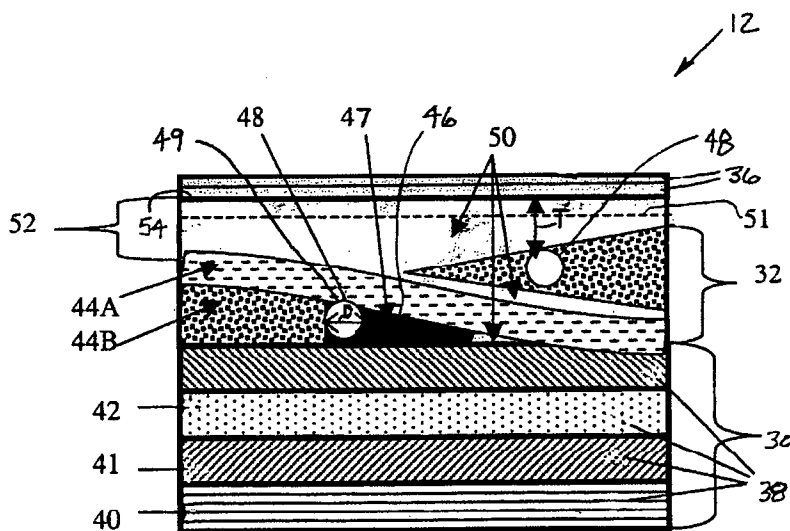
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(54) Title: ENVIRONMENTALLY STABLE HYBRID FABRIC SYSTEM FOR EXTERIOR PROTECTION OF AN AIRCRAFT



(57) Abstract: A method of forming an exterior surface protective structure (12) for an aircraft (10) includes uniting a loaded surfacer (52) having a carrier (51) to a hybrid prepreg substrate (32). The prepreg substrate (32) includes a carbon fabric (44) with an integral conductive component (48) having conductivity with in a metal conductivity range and is united to a base substrate (30). The loaded surfacer (52) and the prepreg substrate (32) are cured, which includes interfacially adhering matter between the loaded surfacer (52) and the prepreg substrate (32). A protective fabric system (12) for an exterior (14) of an aircraft (10) includes the base substrate (30). The hybrid prepreg substrate (32) is coupled to the base substrate (30). The loaded surfacer (52) with the carrier (51) is

interfacially adhered to the prepreg substrate (32).

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

INV. B32B15/02 B32B15/08 B32B27/04 B32B27/12 B32B27/38
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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)

B32B B64D B29C

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, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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