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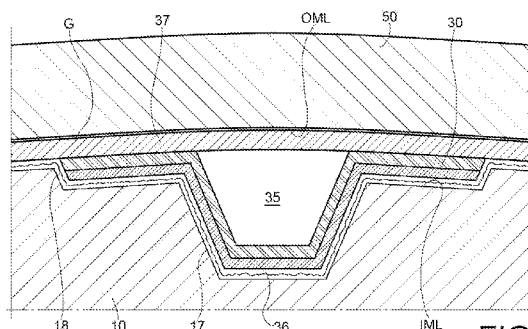


FIG. 13

(57) Abstract: A vacuum bag (18) is placed around the inner forming surface (IML) of an inner mandrel with radially retractable sectors (11a, 11b) having parallel longitudinal slots (17). Stringers (30) of composite material are positioned in the slots (17). A respective elongated inner support (31) is placed in each stringer, covered by an impermeable tubular bag (32). A skin (37) of composite material is laminated around the stringers (30), the coated supports (31, 32) and the inner forming surface (IML). An outer curing tool (50, 51) closes around the skin (37) defining an outer forming surface (OML) for the fuselage barrel, leaving an annular gap (G) of predetermined radial width between the outer surface of the skin (37) and the outer forming surface (OML). Vacuum is applied to the volume enclosed between the vacuum bag (18) and the outer tool (50, 51), so as to enlarge the diameter of the uncured barrel, causing the barrel to be released from the inner mandrel (10) and bringing the outer surface of the skin (37) into contact with the inner surface (OML) of the outer tool (50, 51).



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A. CLASSIFICATION OF SUBJECT MATTER

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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

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EPO-Internal, WPI Data

C. 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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Y	DE 10 2007 060029 A1 (AIRBUS GMBH [DE]) 18 June 2009 (2009-06-18) paragraphs [0001], [0010], [0011], [0018], [0020], [0021], [0025], [0037], [0042], [0053], [0054] figures 1a,1b,3a-3d ----- -/--	1-8,15

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

☒ See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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