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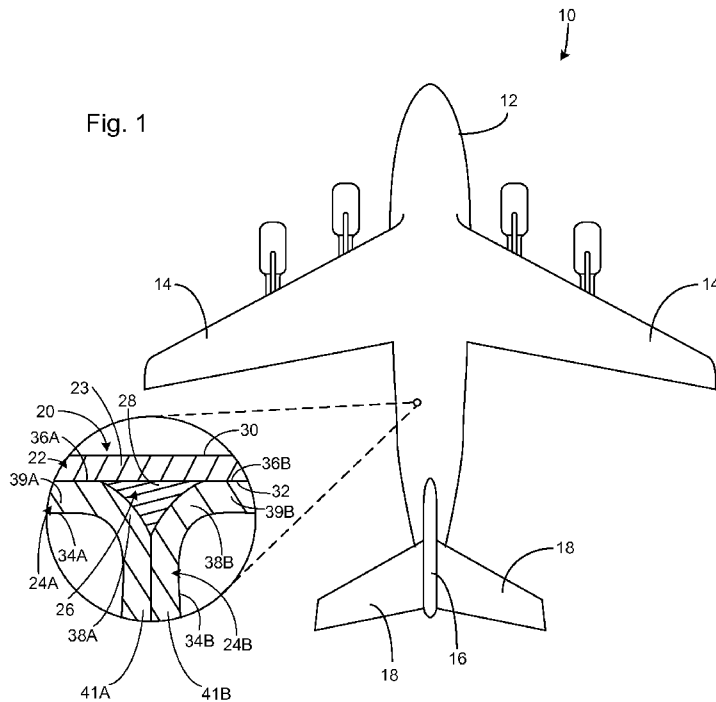
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(54) Title: PRE-FORMED THERMOPLASTIC FILLER FOR THERMOSET STRUCTURE



(57) Abstract: An apparatus includes a first thermoset layer (24A, 124A) that includes a first fibrous material embedded in a first thermoset matrix. The apparatus also includes a second thermoset layer (24B, 124B) that includes a second fibrous material embedded in a second thermoset matrix. The second thermoset layer (24B, 124B) is coupled to the first thermoset layer (24A, 124A) to form a joint (20, 120). Further, a gap (28, 128) is defined between the first thermoset layer (24A, 124A) and the second thermoset layer (24B, 124B). The apparatus also includes a thermoplastic filler (26, 126) that is made from a thermoplastic material. The thermoplastic filler (26, 126) is positioned within the gap (28, 128).

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**INTERNATIONAL SEARCH REPORT**

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<b>A. CLASSIFICATION OF SUBJECT MATTER</b>					
INV.	B29C65/02	B64C1/06	B64C1/12	B29C70/08	B32B3/06
	B32B5/26	B32B7/04			
ADD.	B29L31/30	B29K101/10	B29K105/06	B29K307/04	
According to International Patent Classification (IPC) or to both national classification and IPC					

<b>B. FIELDS SEARCHED</b>
Minimum documentation searched (classification system followed by classification symbols) B29C B29K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPO-Internal
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**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2010/144007 A1 (SAAB AB [SE]; HALLANDER PER [SE]; PETERSSON MIKAEL [SE]; WEIDMANN BJOE) 16 December 2010 (2010-12-16) abstract; figures page 13, lines 8-10 -----	1-15
X	US 5 919 543 A (MCCARVILLE DOUGLAS A [US] ET AL) 6 July 1999 (1999-07-06) column 4, lines 41-51; figures 3,14 column 5, lines 20-33,53-56 -----	1-15
A	EP 2 052 846 A1 (SAAB AB [SE]) 29 April 2009 (2009-04-29) paragraph [0015]; figure 2 -----	1-15

<input type="checkbox"/> Further documents are listed in the continuation of Box C.	<input checked="" type="checkbox"/> See patent family annex.
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* Special categories of cited documents :	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
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Date of the actual completion of the international search  16 June 2016	Date of mailing of the international search report  27/06/2016
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer  Carré, Jérôme
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# INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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