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A. CLASSIFICATION OF SUBJECT MATTER**F01D 5/28(2006.01)i, F01D 5/14(2006.01)i, F02C 7/00(2006.01)i, F02K 3/00(2006.01)i**

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)

F01D 5/28; B23P 15/04; B64C 3/36; B32B 5/26; D02G 1/20; B63H 1/26; F01D 5/14; B32B 3/06; B29C 70/48; F02C 7/00; F02K 3/00

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & keywords: woven preform, warp yarns, fill yarns, matrix, resin, mold, composite airfoil and weave

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2005-0084377 A1 (DAMBRINE et al.) 21 April 2005 See abstract; paragraphs [0007]-[0013],[0197]-[0201]; claims 1-3,15.	1,5-7,14-15,19-20
Y		2-4,8-13,16-18
Y	US 2011-0182743 A1 (NAIK, RAJIV A.) 28 July 2011 See abstract; paragraphs [0013]-[0017],[0020]-[0023]; claims 1,2,9.	2-3,9-13,16-18
Y	US 5881972 A (SMITH et al.) 16 March 1999 See abstract; claim 1; figure 3.	4,8
A	US 2007-0092379 A1 (COUPE et al.) 26 April 2007 See abstract; paragraphs [0012]-[0026]; claims 1,14.	1-20
A	US 2009-0311462 A1 (GOERING, JONATHAN) 17 December 2009 See abstract; claims 1,14-18.	1-20



Further documents are listed in the continuation of Box C.



See patent family annex.

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"P" document published prior to the international filing date but later than the priority date claimed

"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

"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

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family


Date of the actual completion of the international search

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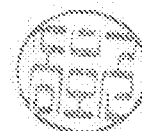

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.
PCT/US2013/026661

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