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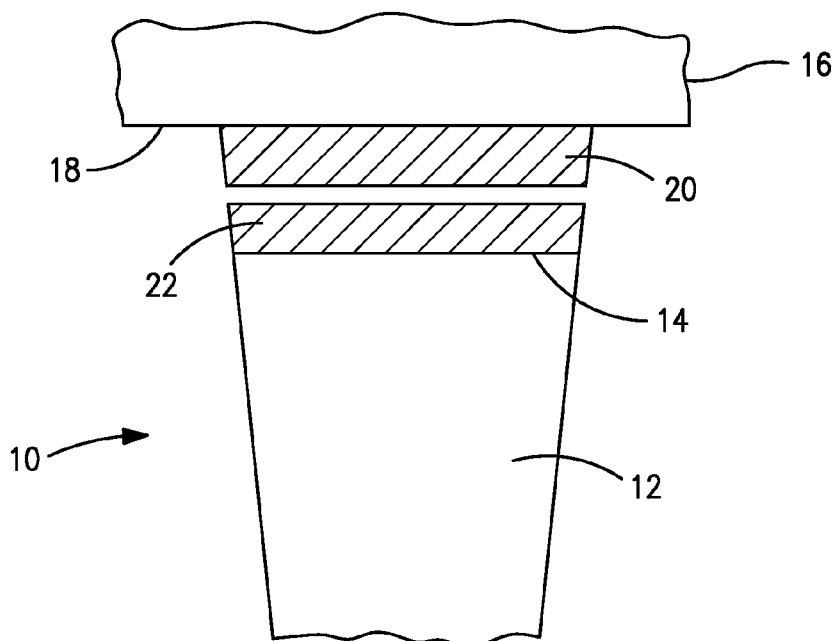
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[Continued on nextpage]

(54) Title: MAXMET COMPOSITES FOR TURBINE ENGINE COMPONENT TIPS



(57) Abstract: A turbine engine system includes a turbine engine component having an airfoil portion and a tip, which turbine engine component having a MAXMET composite bonded to the tip. The MAXMET composite has MAX phases in a metal matrix.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2013/075292**A. CLASSIFICATION OF SUBJECT MATTER****FOID 5/28(2006.01)i, FOID 5/14(2006.01)i, F02C 7/30(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)

FOID 5/28; B32B 5/18; B32B 9/00; B32B 15/01; B32B 15/04; B32B 18/00; B32B 3/26; B64C 11/00; B64C 27/00; F01D 5/20; F01D 5/14; F02C 7/30

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: turbine engine, blade, vane, airfoil, tip, composite, max phase, abradable coating, and MAXMET

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5059095 A (KUSHNER et al.) 22 October 1991 See abstract; column 1, lines 40-42; column 3, lines 3-21; column 4, lines 17-45; claim 17 and figures 1-3.	1-20
Y	US 2010-0055492 A1 (BARSOM et al.) 04 March 2010 See abstract; paragraphs [0026], [0029], [0030], [0142], [0159] and claim 1.	1-20
A	US 2008-0081172 A1 (STROCK, CHRISTOPHER W.) 03 April 2008 See abstract; paragraphs [0006]-[0009] and figure.	1-20
A	US 2012-0114929 A1 (XIE et al.) 10 May 2012 See abstract; paragraph [0026] and figure 1.	1-20
A	US 2004-0219010 A1 (MERRILL et al.) 04 November 2004 See abstract; paragraphs [0024]-[0026] and figure 1.	1-20



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See patent family annex.

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"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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