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(54) Title: GAS TURBINE ENGINE COMPRESSOR STATOR SEAL

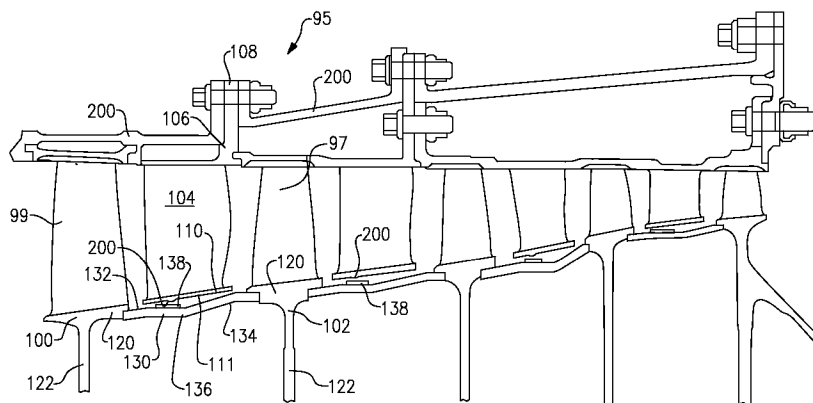


FIG.2

(57) Abstract: A compressor section for use in a gas turbine engine has a plurality of compressor stages. Each compressor stage is provided with a rotor hub, and each rotor hub mounts a plurality of compressor blades. A rotor drum extends between adjacent rotor hubs. A plurality of stator stages have an outer ring and a radially inner ring. A plurality of vanes extend between the outer and inner rings. An inner surface of the inner ring is spaced by a gap from an outer surface of the rotor drum. The rotor drum is provided with a plurality of blades having a general airfoil shape to resist leakage across the gap.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2013/039616**A. CLASSIFICATION OF SUBJECT MATTER****F02C 7/28(2006.01)i, F01D 11/08(2006.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHEDMinimum documentation searched (classification system followed by classification symbols)
F02C 7/28; F01D 11/08; B64C 11/26; F01D 5/00; F01D 11/00Documentation 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 modelsElectronic data base consulted during the international search (name of data base and, where practicable, search terms used)
eKOMPASS(KIPO internal) & Keywords: turbine engine, compressor, blade, state vane, seal, and drum**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2010-0074731 A1 (WIEBE et al.) 25 March 2010 See paragraphs [0023]-[0042]; claims 1-3; and figures 1,1B,4,5A.	1-5, 8-13, 16-18
A		6-7, 14-15, 19-20
Y	US 2005-0175446 A1 (GARNER, CHAD MARCUS) 11 August 2005 See paragraphs [0025]-[0029],[0041]; claim 1; and figures 1,2.	1-5, 8-13, 16-18
Y	US 7811062 B1 (TWIGG, EDWIN S) 12 October 2010 See column 3, lines 8-63 and figure 6.	5, 13, 17-18
A	US 2010-0178160 A1 (LIOTTA et al.) 15 July 2010 See claims 1-10 and figures 1-2.	1-20
A	US 2007-0231144 A1 (SCHREIBER, KARL) 04 October 2007 See claim 1 and figure 1.	1-20

 Further documents are listed in the continuation of Box C. See patent family annex.

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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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