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(54) Title: VARIABLE AREA TURBINE ARRANGEMENT FOR A GAS TURBINE ENGINE

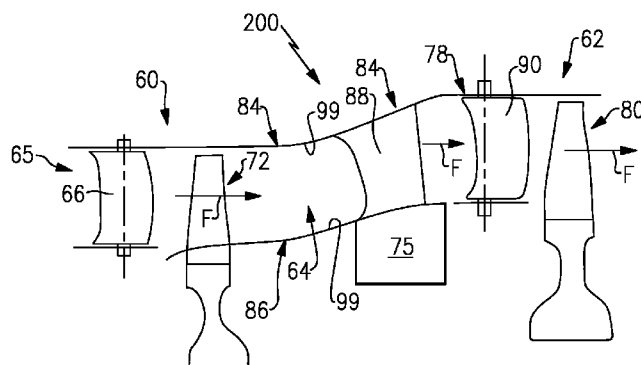


FIG. 3

(57) Abstract: A variable area turbine arrangement according to an exemplary aspect of the present disclosure includes, among other things, a first turbine section having at least a first variable vane row and a second turbine section downstream from the first turbine section and having at least a second variable vane row. A transition duct is disposed between the first turbine section and the second turbine section.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2014/049536**A. CLASSIFICATION OF SUBJECT MATTER****F01D 17/16(2006.01)i, F01D 9/02(2006.01)i, F02C 7/042(2006.01)i, F02C 7/057(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 17/16; F01D 9/04; F02C 7/18; F02K 3/02; F01D 9/00; F02K 3/04; F01D 17/14; F01D 9/02; F02C 7/042; F02C 7/057

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: variable area, turbine, variable vane, transition duct, and stationary vane

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2010-0202873 A1 (ANDREW, PHILIP L.) 12 August 2010 See paragraphs [0022]-[0023], [0025], [0029], [0031] and figures 3-5.	1-20
Y	US 2013-0104521 A1 (KUPRATIS, DANIEL B.) 02 May 2013 See paragraphs [0021]-[0023], claims 11, 13, and figure 1.	1-20
Y	US 2006-0275111 A1 (ORLANDO et al.) 07 December 2006 See paragraphs [0023]-[0024], [0034] and figures 1-3.	14-15, 20
A	US 2007-0119150 A1 (WOOD et al.) 31 May 2007 See paragraphs [0016], [0020], [0025] and figure 2.	1-20
A	US 3990810 A (AMOS et al.) 09 November 1976 See column 2, line 31 - column 3, line 3 and figures 1-2.	1-20



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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