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(54) **Title:** ULTRA HIGH OVERALL PRESSURE RATIO GAS TURBINE ENGINE

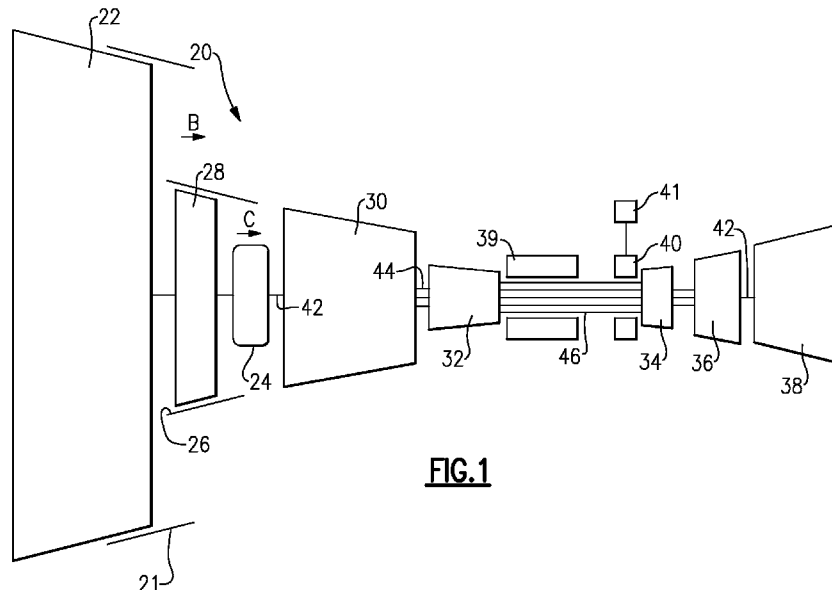


FIG.1

(57) **Abstract:** A gas turbine engine comprises a first turbine positioned upstream of a second intermediate turbine and a third turbine positioned downstream of the first and second turbines. A fan and three compressors, with an upstream one of the compressors connected to rotate with the fan rotor, and the third turbine driving the upstream compressor and the fan both through a gear reduction. A second intermediate compressor is driven by the second intermediate turbine rotor, and a third compressor downstream of the first and second compressors is driven by the first turbine rotor.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2014/067529**A. CLASSIFICATION OF SUBJECT MATTER****F02C 3/04(2006.01)i, F02C 3/06(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 3/04; F02K 3/00; F02C 6/08; F02C 3/06; F02C 7/06; F01D 1/02; F02C 9/18Documentation 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: gas turbine engine, compressor, turbine and overall pressure ratio**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6701717 B2 (FLATMAN et al.) 09 March 2004 See abstract, column 3, line 25-column 6, line 21 and figures 1, 4, 8.	1-3,20,21
A		4-19
A	US 2005-0226720 A1 (HARVEY et al.) 13 October 2005 See abstract, paragraphs [0010]-[0016] and figure 1.	1-21
A	US 2008-0148708 A1 (CHOU et al.) 26 June 2008 See abstract, paragraphs [0011]-[0015] and figures 1, 2.	1-21
A	US 2012-0167587 A1 (CLARK et al.) 05 July 2012 See abstract, paragraphs [0013]-[0018] and figure 2.	1-21
A	US 3861139 A (JONES, CARMEN B.) 21 January 1975 See abstract, column 4, line 31-column 5, line 60 and figures 1, 2.	1-21

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

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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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