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- (71) Applicant: UNITED TECHNOLOGIES CORPORATION [US/US]; One Financial Plaza, Hartford, Connecticut 06101 (US).
- (72) Inventors: SUCIU, Gabriel L.; 27 Tanglewood Drive, Glastonbury, Connecticut 06033 (US). ACKERMANN, William K.; 15 Butternut Drive, East Hartford, Connecticut 06118-1905 (US). KUPRATIS, Daniel Bernard; 12 Sunset Drive, Wallingford, Connecticut 06492 (US). SCHWARZ, Frederick M.; 121 Steep Hollow Drive, Glastonbury, Connecticut 06033 (US).
- (74) Agent: OLDS, Theodore W.; Carlson, Gaskey & Olds/Pratt & Whitney, c/o CPA Global, P.O. Box 52050, Minneapolis, Minnesota 55402 (US).
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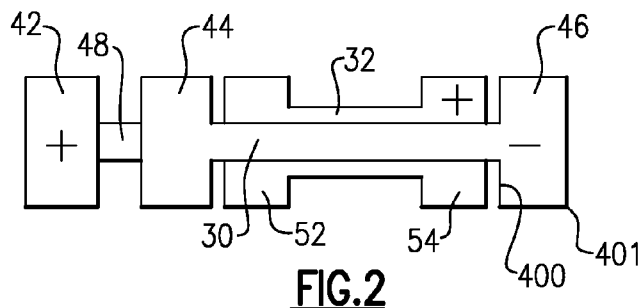
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(57) Abstract: A gas turbine engine includes a very high speed low pressure turbine such that a quantity defined by the exit area of the low pressure turbine multiplied by the square of the low pressure turbine rotational speed compared to the same parameters for the high pressure turbine is at a ratio between about 0.5 and about 1.5.

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B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 60/226100 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) TURBINE; BLADE; ROTOR; ANGULAR VELOCITY; FAN; EXPANSION RATIO		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JANE'S AERO-ENGINES, ISSUE 7, COPYRIGHT 2000, SEE PP. 510-512.	1-20
Y	US 3,033,002 A (DAVIS) 08 MAY 1962, SEE ENTIRE DOCUMENT.	1-20
Y	US 6,378,308 B1 (PFLUGER) 30 APRIL 2002, SEE ENTIRE DOCUMENT.	1-20
Y	US 2009/0229242 A1 (SCHWARK) 17 SEPTEMBER 2009, SEE ENTIRE DOCUMENT.	6, 20
Y	US 7,513,103 B2 (ORLANDO ET AL.) 07 APRIL 2009, SEE ENTIRE DOCUMENT.	11
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201		Authorized officer ANDRE ROBINSON Telephone No. (571) 272-5005