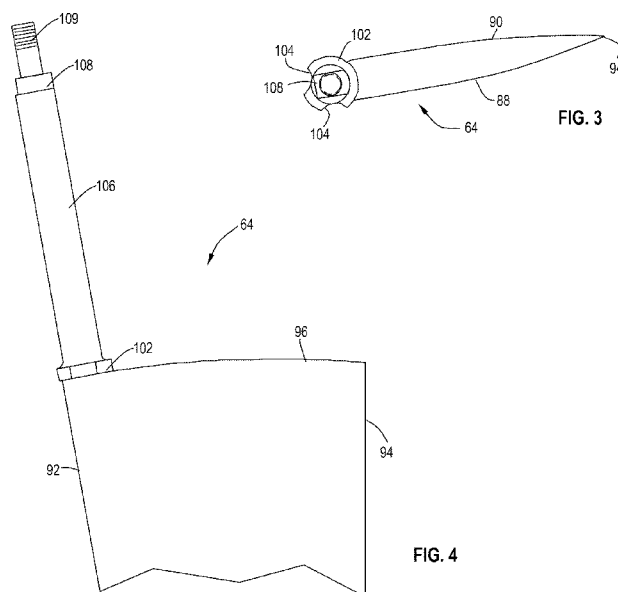




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- (81) **Designated States (unless otherwise indicated, for every kind of national protection available):** AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
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[Continued on next page]

(54) **Title:** GUIDE VANE ASSEMBLY FOR A GAS TURBINE ENGINE

(57) **Abstract:** A guide vane assembly (62, 64) for a flade duct of a gas turbine engine (10) includes: a strut (62) having: a root (95), a tip (70), a leading edge, a trailing edge wall (78), and opposed sidewalls extending between the leading edge and the trailing edge wall; and a pair of spaced-apart prongs (80) extending axially aft from the trailing edge wall, each prong having an outer wall that is flush with a respective one of the sidewalls (72, 74); and a flap positioned axially aft of the strut (64), the flap having a root, a tip, a leading edge, a trailing edge, and opposed sides extending between the leading and trailing edges, wherein a portion of the leading edge (92) is disposed between the prongs, and wherein a disk-like flap button (102) is disposed at the tip of the flap adjacent its leading edge (92), the flap button including a pair of spaced-apart notches formed therein (104).

**Declarations under Rule 4.17:**

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

(88) Date of publication of the international search report:

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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2012/055312

A. CLASSIFICATION OF SUBJECT MATTER
INV. F02K3/077 F01D9/04 F01D17/16
ADD.

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)
F02K F01D F04D

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)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	figure 10	4,6

	-/-	



Further documents are listed in the continuation of Box C.



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"&" document member of the same patent family

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