

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
8 June 2006 (08.06.2006)

PCT

(10) International Publication Number
WO 2006/059119 A1

- (51) International Patent Classification:
F02K 1/82 (2006.01) **F02K 1/00** (2006.01)
- (21) International Application Number:
PCT/GB2005/004617
- (22) International Filing Date:
1 December 2005 (01.12.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
11/000,829 1 December 2004 (01.12.2004) US
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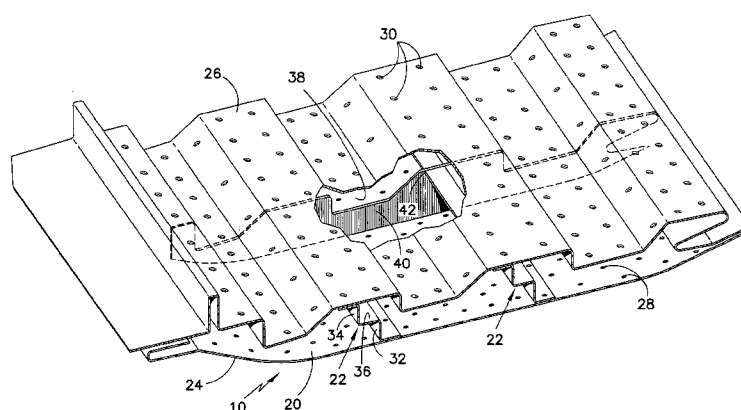
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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(54) Title: COOLED DUCT FOR GAS TURBINE ENGINE



(57) Abstract: A cooled exhaust duct (10) for use in gas turbine engines is provided. The cooled exhaust duct (10) includes an axial centerline (18), a circumference, an annulus (20), and a plurality of radially expandable bands (22). The annulus (20) is disposed between a first wall (24) and a second wall (26), and extends along the axial centerline (18). The first wall (24) is disposed radially inside of the second wall (26). Each of the plurality of radially expandable bands (22) extends circumferentially within the annulus (20). The bands (22) are axially spaced apart from one another. Each band (22) includes a first portion (32) attached to the first wall (24), a second portion (34) attached to the second wall (26) and an intermediate portion (36) connected to the first and second portions (32, 34). The bands (22) create circumferentially extending compartments that inhibit axial travel of the cooling air within the annulus (20).

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Published:

— with international search report

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