(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
11 December 2014 (11.12.2014)

WIPO | PCT

(10) International Publication Number
WO 2014/197074 A3

(51) International Patent Classification:
F02C 7/28 (2006.01) *F01D 11/00* (2006.01)

(21) International Application Number:
PCT/US2014/027002

(22) International Filing Date:
14 March 2014 (14.03.2014)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/784,063 14 March 2013 (14.03.2013) US

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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, IR, IS, JP, KE, KG, 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, SA, 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.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report (Art. 21(3))*

— *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:
19 February 2015

(54) Title: CURVIC SEAL FOR GAS TURBINE ENIGNE

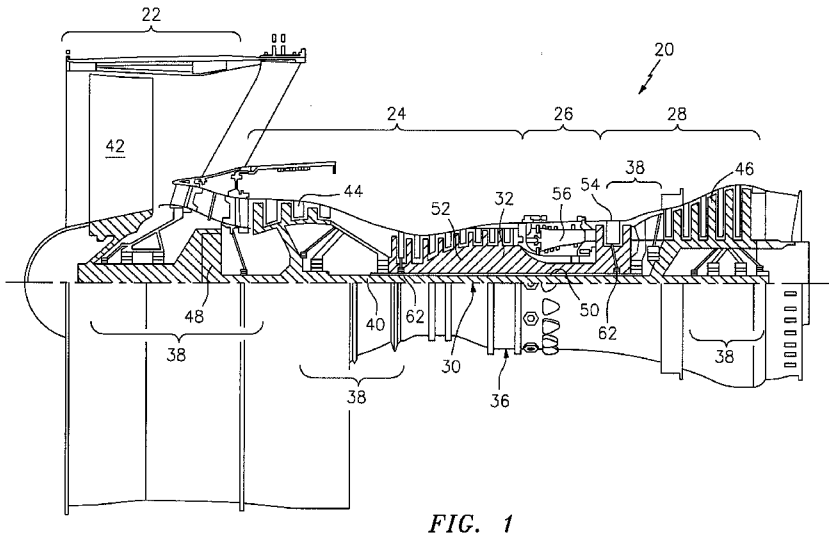


FIG. 1

(57) Abstract: A curvic seal for a gas turbine engine includes a cylindrical seal with a retention feature.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2014/027002

A. CLASSIFICATION OF SUBJECT MATTER

F02C 7/28(2006.01)i, F01D 11/00(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)
F02C 7/28; F02C 7/20; F16J 15/08; F01D 25/26; F01D 11/00; F01D 5/32; F01D 5/02; F04D 29/08

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: gas turbine engine, curvic coupling, teeth, curvic seal, retention feature, split ring, rolled flange, and rim

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5628621 A (TOBORG, STEVEN M.) 13 May 1997 See column 3, lines 27-37, column 4, lines 10-38 and figures 1-5.	1-10
Y	US 5639212 A (SCHAEFER et al.) 17 June 1997 See column 5, lines 19-50 and figures 1-4, 11.	1-10
Y	US 6076835 A (RESS et al.) 20 June 2000 See column 2, line 59 - column 3, line 50 and figures 1-4.	3,9
A	US 2008-0053107 A1 (WEAVER et al.) 06 March 2008 See paragraphs [0029]-[0035] and figures 3A-3C.	1-10
A	US 4767276 A (BARNES et al.) 30 August 1988 See column 2, line 53 - column 3, line 65 and figures 2-4A.	1-10

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents,such combination being obvious to a person skilled in the art
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Date of the actual completion of the international search	Date of mailing of the international search report
16 December 2014 (16.12.2014)	**17 December 2014 (17.12.2014)**

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Form PCT/ISA/210 (second sheet) (July 2009)

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.
PCT/US2014/027002

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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US 5639212 A	17/06/1997	None	
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