

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
31 October 2024 (31.10.2024)



(10) International Publication Number
WO 2024/223214 A1

(51) International Patent Classification:

F02C 3/22 (2006.01) F02C 6/08 (2006.01)
F02C 6/18 (2006.01) F02C 9/40 (2006.01)
F02C 7/224 (2006.01) C01B 3/04 (2006.01)

(21) International Application Number:

PCT/EP2024/058503

(22) International Filing Date:

28 March 2024 (28.03.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2306309.2 28 April 2023 (28.04.2023) GB

(71) Applicant: SIEMENS ENERGY GLOBAL GMBH & CO. KG [DE/DE]; Otto-Hahn-Ring 6, 81739 München (DE).

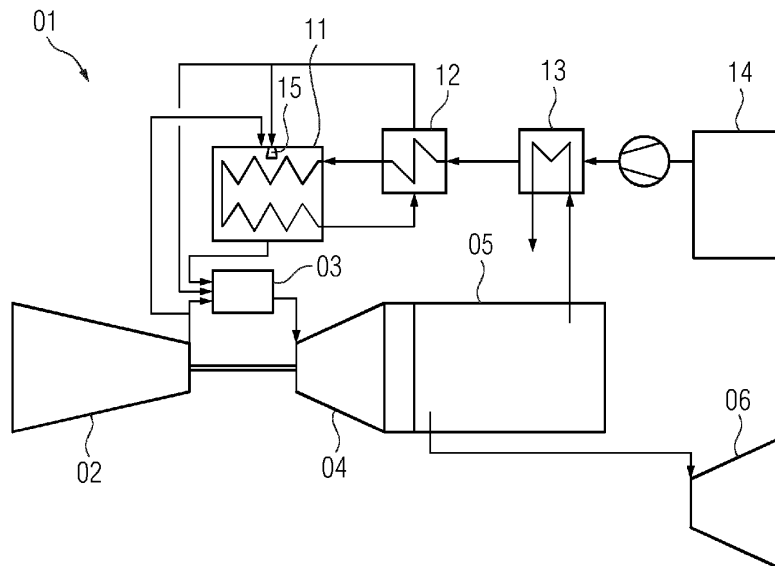
(72) Inventors: NOGENMYR, Karl-Johan; Törnevalla g:a skola 1, 58561 Linghem (SE). NÄS, Lennart; Torpvägen 9,

60210 Norrköping (SE). LINDMAN, Olle; Mellangrindsv. 32D, 61237 Finspang (SE).

(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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, 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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST, 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, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE,

(54) Title: GAS TURBINE ARRANGEMENT WITH AMMONIA CRACKER AND POWER PLANT WITH SUCH AND METHOD TO OPERATE A GAS TURBINE ARRANGEMENT



(57) Abstract: The invention is about a gas turbine arrangement (01) comprising a gas turbine and an ammonia cracker (11). The gas turbine comprises a compressor (02), a combustor (03) and an expansion turbine (04). The ammonia cracker (11) comprises a heater (15) and an air channel from an air inlet to an air outlet and a reaction channel from an ammonia inlet to a fuel outlet. To increase the efficiency of the gas turbine arrangement a hot air piping connects the compressor outlet with the air inlet and a cold air piping connects the air outlet with the combustor (03), wherein a fuel piping connects the fuel outlet with the combustor (03).

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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))*