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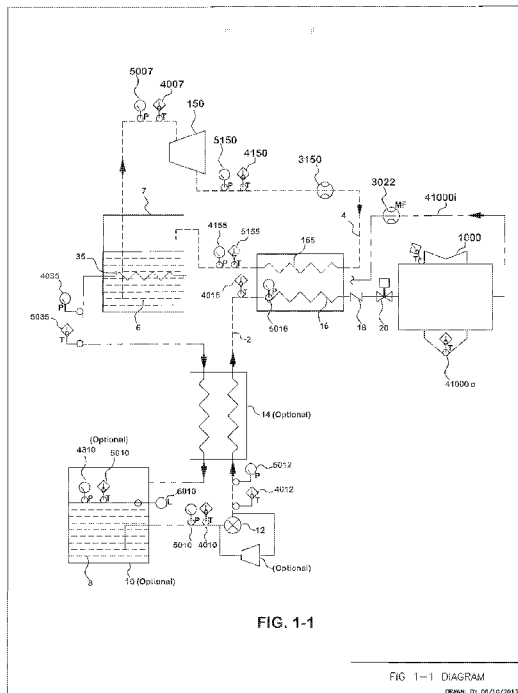
BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, 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.

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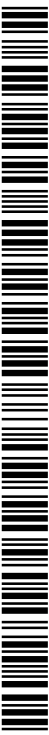
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(54) Title: CONTROL SYSTEM FOR CRYOGENIC COGENERATION



(57) Abstract: A system and associated method for controlling the operation of a cryogenic cogeneration system with an expander (150) using heat from an external heat source (1000) is described. The system comprises a processor configured to execute a control program including software commands, the software commands chosen to perform selected actions, including receiving data related to various process parameters and components of a cryogenic cogeneration system, determining the values of selected process variables, comparing measured parameter values to setpoints and/or process variables, and providing control commands to various components of the cryogenic cogeneration system to optimize operation of the cryogenic cogeneration system.



INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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ADD.
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B. FIELDS SEARCHED
Minimum documentation searched (classification system followed by classification symbols)
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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

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2008/106190 A2 (SHIRK MARK A [US]) 4 September 2008 (2008-09-04) abstract; figures 1,2-1,2-2,3 paragraph [0045]	1,2
X	US 2003/074895 A1 (MCFARLAND RORY S [US]) 24 April 2003 (2003-04-24) abstract; figures 1-3 paragraphs [0041] - [0042]	1,2
X	CN 102 230 403 A (XINQI QIANG) 2 November 2011 (2011-11-02) abstract; figure 1 column 37; claim 1	1,2
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Lepers, Joachim

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International application No
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2005/076639 A1 (SHIRK MARK A [US] ET AL) 14 April 2005 (2005-04-14) cited in the application abstract; figures 1,2-1,2-2,3-1,3-2,4-1,4-2,5-1 -----	1,2

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/US2014/061223

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