

(12) International Application Status Report

Received at International Bureau: 13 June 2018 (13.06.2018)

Information valid as of: 12 February 2019 (12.02.2019)

Report generated on: 18 July 2019 (18.07.2019)

(10) Publication number:

WO2019/044094

(43) Publication date:

07 March 2019 (07.03.2019)

(26) Publication language:

Japanese (JA)

(21) Application Number:

PCT/JP2018/021412

(22) Filing Date:

04 June 2018 (04.06.2018)

(25) Filing language:

Japanese (JA)

(31) Priority number(s):

2017-169293 (JP)

(31) Priority date(s):

04 September 2017 (04.09.2017)

(31) Priority status:

Priority document received (in compliance with PCT Rule 17.1)

(51) International Patent Classification:

F25B 15/00 (2006.01)

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(54) Title (EN): WORKING MEDIUM FOR ABSORPTION REFRIGERATOR AND ABSORPTION REFRIGERATOR USING SAME

(54) Title (FR): MILIEU DE TRAVAIL POUR RÉFRIGÉRATEUR À ABSORPTION ET RÉFRIGÉRATEUR À ABSORPTION L'UTILISANT

(54) Title (JA): 吸収式冷凍機用動作媒体及びこれを用いた吸収式冷凍機

(57) Abstract:

(EN): Provided is a working medium for an absorption refrigerator that enables corrosion of a structural member to be greatly suppressed; also provided is an absorption refrigerator using this working medium. The working medium for an absorption refrigerator includes a propanol aqueous solution as a refrigerant and a corrosion inhibitor. The corrosion inhibitor includes one or more of an alkali metal salt, an alkaline earth metal salt, and an oxyacid salt. The alkali metal salt is a hydroxide of an alkali metal, and the alkaline earth metal salt is a hydroxide of an alkaline earth metal.

(FR): L'invention concerne un milieu de travail pour un réfrigérateur à absorption qui permet de supprimer fortement la corrosion d'un élément structurel. L'invention concerne également un réfrigérateur à absorption utilisant ce milieu de travail. Ce fluide de travail pour un réfrigérateur à absorption comprend une solution aqueuse de propanol comme réfrigérant et un inhibiteur de corrosion. L'inhibiteur de corrosion comprend un ou plusieurs éléments parmi un sel de métal alcalin, un sel de métal alcalino-

terreux et un sel d'oxyacide. Le sel de métal alcalin est un hydroxyde d'un métal alcalin, et le sel de métal alcalino-terreux est un hydroxyde d'un métal alcalino-terreux.

(JA): 構造材の腐食を高度に抑制可能な吸収式冷凍機用作動媒体およびこれを用いた吸収式冷凍機を提供する。吸収式冷凍機用作動媒体は、冷媒としてのプロパノール水溶液と、腐食抑制剤とを含む。腐食抑制剤は、アルカリ金属塩、アルカリ土類金属塩、および、酸素酸塩、のいずれか一つ以上を含む。アルカリ金属塩は、アルカリ金属の水酸化物であり、アルカリ土類金属塩は、アルカリ土類金属の水酸化物である。

International search report:

Received at International Bureau: 27 August 2018 (27.08.2018) [JP]

International Report on Patentability (IPRP) Chapter II of the PCT:

Not available

(81) Designated States:

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, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, KE, KG, KH, KN, KP, KR, KW, 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

European Patent Office (EPO) : 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

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African Regional Intellectual Property Organization (ARIPO) : BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

Eurasian Patent Organization (EAPO) : AM, AZ, BY, KG, KZ, RU, TJ, TM