

(12) International Application Status Report

Received at International Bureau: 11 July 2018 (11.07.2018)

Information valid as of: 07 September 2018 (07.09.2018)

Report generated on: 25 March 2019 (25.03.2019)

(10) Publication number:

WO2019/004277

(43) Publication date:

03 January 2019 (03.01.2019)

(26) Publication language:

Japanese (JA)

(21) Application Number:

PCT/JP2018/024342

(22) Filing Date:

27 June 2018 (27.06.2018)

(25) Filing language:

Japanese (JA)

(31) Priority number(s):

2017-125399 (JP)

(31) Priority date(s):

27 June 2017 (27.06.2017)

(31) Priority status:

Priority document received (in compliance with PCT Rule 17.1)

(51) International Patent Classification:

B01J 3/00 (2006.01)

(71) Applicant(s):

KYUSHU UNIVERSITY, NATIONAL UNIVERSITY CORPORATION [JP/JP]; 6-10-1, Hakozaki, Higashi-ku, Fukuoka-shi, Fukuoka 8128581 (JP) *(for all designated states)*

(72) Inventor(s):

SHIMODA Mitsuya; c/o KYUSHU UNIVERSITY, NATIONAL UNIVERSITY CORPORATION, 6-10-1, Hakozaki, Higashi-ku, Fukuoka-shi, Fukuoka 8128581 (JP)

(74) Agent(s):

TANAI Sumio; 1-9-2, Marunouchi, Chiyoda-ku, Tokyo 1006620 (JP)

(54) Title (EN): METHOD FOR MANUFACTURING LIQUID PRODUCT AND DEVICE FOR MANUFACTURING LIQUID PRODUCT

(54) Title (FR): PROCÉDÉ ET DISPOSITIF DE FABRICATION DE PRODUIT LIQUIDE

(54) Title (JA): 液状製品の製造方法、液状製品の製造装置

(57) Abstract:

(EN): Provided is a method for manufacturing a liquid product having a step for hydrostatic pressure treatment of a liquid body that is the material to be treated at a pressure of 3 MPa or greater. Also provided is a device for manufacturing a liquid product having: a cylindrical treatment vessel that has an internal space for accommodating the liquid body and is provided in a liquid tight state; a first pipe that is connected to one end side of the treatment vessel and through which the liquid body flows into the internal space; a second pipe that is connected to the other end side of the treatment vessel and through which the liquid product generated in the internal space flows; and a pressurization device for applying pressure to the liquid body retained in the internal space by applying pressure to the liquid body.

(FR): L'invention concerne un procédé de fabrication d'un produit liquide ayant une étape de traitement par pression hydrostatique d'un corps liquide qui est le matériau à traiter à une pression de 3 MPa ou plus. L'invention concerne également un dispositif de fabrication d'un produit liquide ayant : un réservoir de traitement cylindrique qui a un espace interne pour recevoir le corps liquide et est disposé dans un état étanche aux liquides; un premier tuyau qui est relié à un côté d'extrémité du réservoir de traitement et à travers lequel le corps liquide s'écoule dans l'espace interne; un second tuyau qui est relié à l'autre côté d'extrémité du réservoir de traitement et à travers lequel s'écoule le produit liquide généré dans l'espace interne; et un dispositif de mise sous pression pour appliquer une pression sur le corps liquide retenu dans l'espace interne par application d'une pression sur le corps liquide.

(JA): 被処理物である液状体を3 MPa以上の圧力にて静水圧処理する工程を有する液状製品の製造方法。液状体を収容する内部空間を有し、液密に設けられた筒状の処理器と、前記処理器の一端側に接続され、前記内部空間に流入する前記液状体が流動する第1配管と、前記処理器の他端側に接続され、前記内部空間において生成する液状製品が流動する第2配管と、前記液状体を加圧して前記内部空間に貯留される前記液状体を加圧する加圧装置と、を有する液状製品の製造装置。

International search report:

Received at International Bureau: 03 September 2018 (03.09.2018) [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, JP, 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

African Intellectual Property Organization (OAPI) : BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG

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