

(12) International Application Status Report

Received at International Bureau: 28 March 2018 (28.03.2018)

Information valid as of: 13 November 2018 (13.11.2018)

Report generated on: 19 March 2019 (19.03.2019)

(10) Publication number:

WO2018/225329

(43) Publication date:

13 December 2018 (13.12.2018)

(26) Publication language:

Japanese (JA)

(21) Application Number:

PCT/JP2018/010440

(22) Filing Date:

16 March 2018 (16.03.2018)

(25) Filing language:

Japanese (JA)

(31) Priority number(s):

2017-112203 (JP)

(31) Priority date(s):

07 June 2017 (07.06.2017)

(31) Priority status:

Priority document received (in compliance with PCT Rule 17.1)

(51) International Patent Classification:

C12M 3/00 (2006.01)

(71) Applicant(s):

HITACHI, LTD. [JP/JP]; 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo 1008280 (JP) *(for all designated states)*

(72) Inventor(s):

MARUYAMA Masashi; c/o HITACHI, LTD., 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo 1008280 (JP)

TADA Yasuhiko; c/o HITACHI, LTD., 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo 1008280 (JP)

(74) Agent(s):

HIRAKI & ASSOCIATES; Atago Green Hills MORI Tower 32F, 5-1, Atago 2-chome, Minato-ku, Tokyo 1056232 (JP)

(54) Title (EN): CELL CULTURE CONTAINER, CELL CULTURE DEVICE AND CELL CULTURE METHOD

(54) Title (FR): RÉCIPIENT DE CULTURE CELLULAIRE, DISPOSITIF DE CULTURE CELLULAIRE ET PROCÉDÉ DE CULTURE CELLULAIRE

(54) Title (JA): 細胞培養容器、細胞培養装置及び細胞培養方法

(57) Abstract:

(EN): According to the present invention, convenience, proliferation ability, adhesiveness and customizability are improved in three-dimensional cell culture. The cell culture container according to the present invention is provided with a cell supporting member, wherein at least a part of a surface of the cell supporting member, said surface being to be in contact with cells, is formed of a flowable material and the flowable material has a relatively low water content.

(FR): La présente invention permet d'améliorer la commodité, la capacité de prolifération, l'adhésivité et l'aptitude à la personnalisation d'une culture cellulaire tridimensionnelle. Le récipient pour culture cellulaire selon la présente invention est pourvu d'un élément de support de cellules, au moins une partie d'une surface de l'élément de support de cellule, ladite surface devant être en contact avec les cellules, étant formée d'un matériau fluide, et le matériau fluide présentant une teneur en eau relativement faible.

(JA): 細胞の3次元培養において簡便性、増殖性、接着性、カスタマイズ性を向上する。本発明に係る細胞培養容器は、細胞支持体を備え、前記細胞支持体は細胞と接する表面の少なくとも一部を流動性材料で構成し、流動性材料の含水率は比較的低い。

International search report:

Received at International Bureau: 25 June 2018 (25.06.2018) [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

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