

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
26 March 2009 (26.03.2009)

PCT

(10) International Publication Number
WO 2009/038416 A3

(51) International Patent Classification:
C12N 5/04 (2006.01)

(21) International Application Number:
PCT/KR2008/005604

(22) International Filing Date:
22 September 2008 (22.09.2008)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:
10-2007-0096892
21 September 2007 (21.09.2007) KR

(71) Applicant (for all designated States except US): **UNHWA BIOTECH. CORP.** [KR/KR]; 868-5, Hoseongdong 1-ga, Deokjin-gu, Jeonju-si, Jeollabuk-do 561-211 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **YU, Young-Mi** [KR/KR]; 27-2, Deokjin-dong 2-ga, Jeonju-si, Jeollabuk-do 561-192 (KR). **LEE, Eun Kyong** [KR/KR]; 820-45, Shin-dong, Iksan-si, Jeollabuk-do 570-976 (KR). **HONG, Sun Mi** [KR/KR]; 503-904, Booyoung Apt., Inhoo-dong 1-ga, Deokjin-gu, Jeonju-si, Jeollabuk-do 561-792 (KR). **JIN, Young Woo** [KR/KR]; 311-1205, Jinheung WPark 3-Danji, Hoseong-dong 2-ga, Deokjin-gu, Jeonju-si, Jeollabuk-do 561-741 (KR).

(74) Agent: **LEE, Cheo Young**; 11th, Won Bldg., 648-26, Yeoksam-dong, Gangnam-gu, Seoul 135-080 (KR).

(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, BR, BW, BY, BZ, CA, CH, 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, IS, JP, KE, KG, KM, KN, KP, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

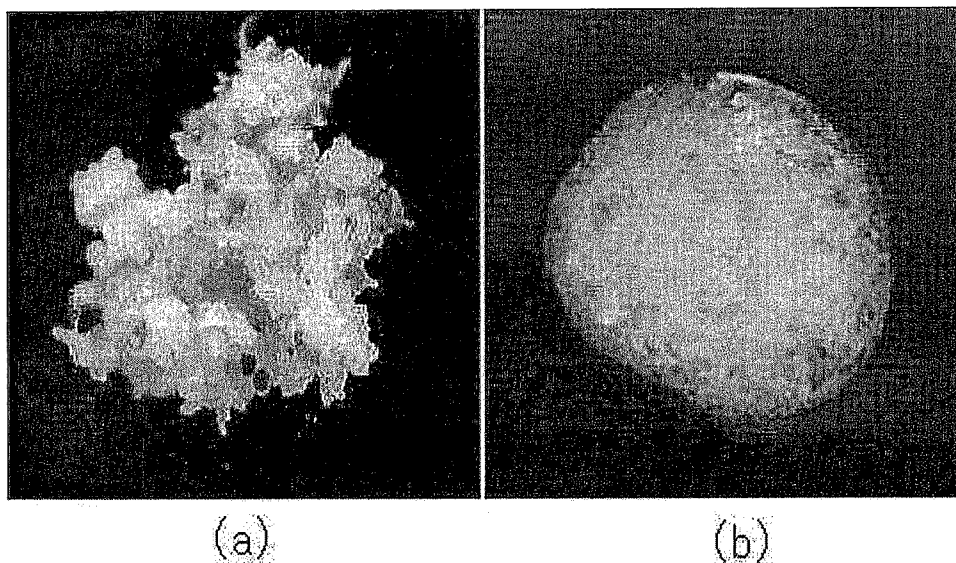
Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
7 May 2009

(54) Title: PLANT STEM CELL LINE DERIVED FROM QUIESCENT CENTER AND METHOD FOR ISOLATING THE SAME

FIG. 3



(57) Abstract: The present invention relates to a cell line derived from the quiescent center of a plant and a method for isolating the same, more specifically, relates to a quiescent center-derived homogeneous cell line of single-cell origin, which is obtained from the quiescent center of a plant without needing a separate de-differentiation process, and a method for isolating the same.

WO 2009/038416 A3