(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
10 January 2008 (10.01.2008)

PCT

(10) International Publication Number
WO 2008/004990 A2

(51) International Patent Classification: Not classified

(21) International Application Number:
PCT/SG2007/000201

(22) International Filing Date: 6 July 2007 (06.07.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/818,780 6 July 2006 (06.07.2006) US

(71) Applicant *(for all designated States except US)*: **ES CELL INTERNATIONAL PTE LTD** [SG/SG]; 11 Biopolis Way, #05-06, Helios, Singapore 138667 (SG).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **CROOK, Jeremy, Micah** [AU/SG]; 11 Biopolis Way, #05-06, Helios, Singapore 138667 (SG). **HORNE, Rachel** [AU/SG]; 11 Biopolis Way, #05-06, Helios, Singapore 138667 (SG). **PHILLIPS, Blaine, Wesley** [CA/SG]; 11 Biopolis Way, #05-06, Helios, Singapore 138667 (SG).

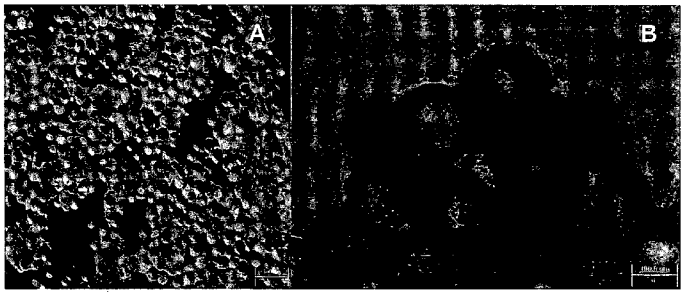
(74) Agent: **MATTEUCCI, Gianfranco**; Lloyd Wise, Tanjong Pagar, P.O. Box 636, Singapore 910816 (SG).

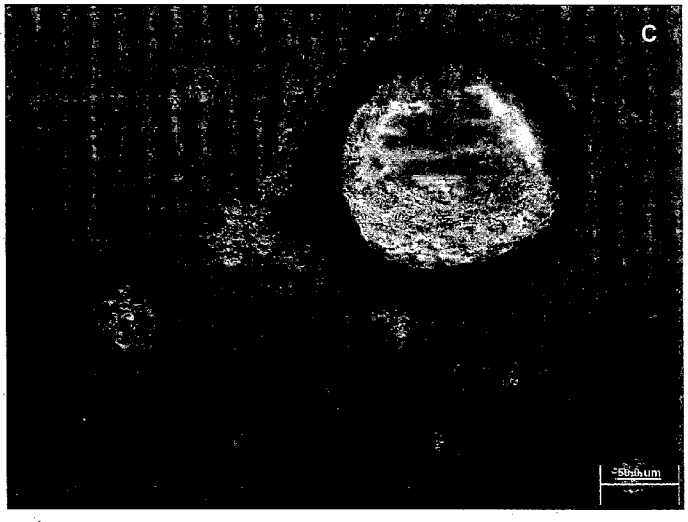
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, 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, 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, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: METHOD FOR STEM CELL CULTURE AND CELLS DERIVED THEREFROM





(57) Abstract: There is described a method of promoting the attachment, survival and/or proliferation of a stem cell in culture, the method comprising culturing a stem cell on a positively-charged support surface. There are also provided a cell composition prepared according to the method of the invention.

WO 2008/004990 A2

Declaration under Rule 4.17:

— *of inventorship (Rule 4.17(iv))*

Published:

— *without international search report and to be republished upon receipt of that report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.