

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
1 October 2009 (01.10.2009)

PCT

(10) International Publication Number
WO 2009/120357 A8

- (51) **International Patent Classification:**
C12N 5/06 (2006.01) *C12N 11/04* (2006.01)
- (21) **International Application Number:**
PCT/US2009/001897
- (22) **International Filing Date:**
26 March 2009 (26.03.2009)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/070,822 26 March 2008 (26.03.2008) US
- (71) **Applicant (for all designated States except US):** WOMEN & INFANTS HOSPITAL [US/US]; 101 Dudley Street, Providence, RI 02905 (US).
- (72) **Inventor; and**
- (75) **Inventor/Applicant (for US only):** ROBINS, Jared [US/US]; 3 Weyman Lane, Sharon, MA 02067 (US).
- (74) **Agent:** MURRAY, Mary, K.; Hamilton, Brook, Smith & Reynolds, P.C., 530 Virginia Road, P.O. Box 9133, Concord, MA 01742-9133 (US).
- (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, KR, 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, MK, 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 (Art. 21(3))
- (88) **Date of publication of the international search report:**
30 December 2009
- (48) **Date of publication of this corrected version:**
15 April 2010
- (15) **Information about Correction:**
see Notice of 15 April 2010



WO 2009/120357 A8

(54) **Title:** DE NOVO ANEMBRYONIC TROPHOBLAST VESICLES AND METHODS OF MAKING AND USING THEM

(57) **Abstract:** De novo, anembryonic trophoblast vesicles and methods of making and using them are provided.