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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
8 November 2007 (08.11.2007)

PCT

(10) International Publication Number
WO 2007/125288 A1

(51) International Patent Classification:
C12N 5/00 (2006.01) *C12N 5/06* (2006.01)

(21) International Application Number:
PCT/GB2007/001464

(22) International Filing Date: 24 April 2007 (24.04.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

0608403.2	28 April 2006 (28.04.2006)	GB
0610120.8	20 May 2006 (20.05.2006)	GB
0700592.9	12 January 2007 (12.01.2007)	GB

(71) Applicant *(for all designated States except US)*: **UNIVERSITY OF DURHAM** [GB/GB]; South Road, Durham DH1 3LE (GB).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **PRZYBORSKI, Stefan, Alexander** [GB/GB]; School of Biological & Biomedical Science, University of Durham, Durham DH1 3LE (GB). **CAMERON, Neil** [GB/GB]; Department of Chemistry, University of Durham, South Road, Durham DH1 3LE (GB).

(74) Agent: **GILHOLM, Harrison**; Marlborough House, Westminster Place, York Business Park, Nether Poppleton, York, YO26 6RW (GB).

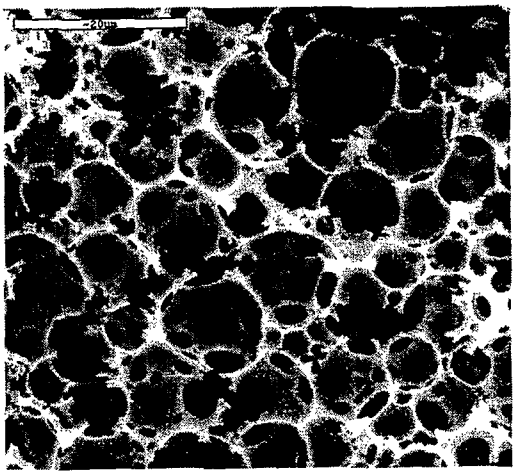
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, 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).

Published:
— *with international search 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.

(54) Title: SUBSTRATE FOR THE GROWTH OF CULTURED CELLS IN THREE DIMENSIONS



(57) Abstract: We describe a cell culture substrate comprising a polymerised high internal phase emulsion polymer adapted and modified for use in the routine culture of cells in three dimensions; typically mammalian cells and the use of the substrate in a cell culture system for investigation and analysis of proliferation, differentiation and function of cells.

WO 2007/125288 A1