

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
27 May 2010 (27.05.2010)

PCT

(10) International Publication Number
WO 2010/059902 A3

- (51) **International Patent Classification:**
C08J 9/224 (2006.01) C08J 5/00 (2006.01)
C08J 3/20 (2006.01)
- (21) **International Application Number:**
PCT/US2009/065263
- (22) **International Filing Date:**
20 November 2009 (20.11.2009)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/117,366 24 November 2008 (24.11.2008) US
61/260,456 12 November 2009 (12.11.2009) US
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- (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, CL, 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, PE, 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, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

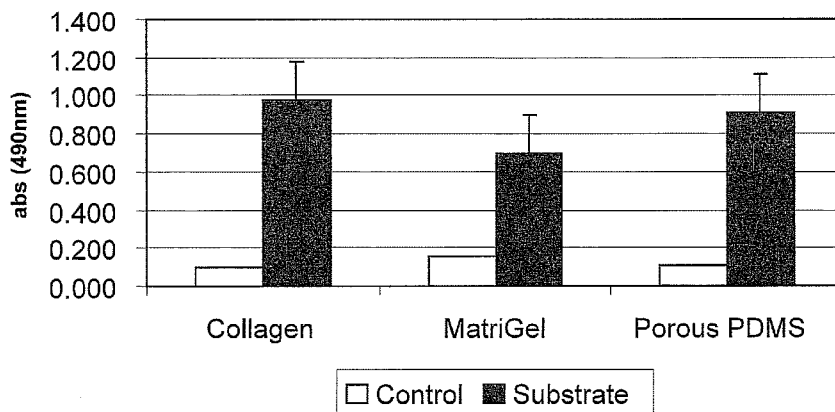
Published:

— with international search report (Art. 21(3))

(88) **Date of publication of the international search report:**
26 August 2010

(54) **Title:** 3D CELL-CULTURE ARTICLE AND METHODS THEREOF

Fig. 6



(57) **Abstract:** An optically clear, porous polymer composition, an article incorporating the composition, and methods for making and using the composition for cell culture including, for example, regulating or promoting cell function or gene expression as defined herein.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2009/065263**A. CLASSIFICATION OF SUBJECT MATTER***C08J 9/224(2006.01)i, C08J 3/20(2006.01)i, C08J 5/00(2006.01)i*

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC: C08J, A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS (KIPO internal), Google Scholar & Keywords: 3D porous, cell culture, particulate pore-former, sugar, PDMS, transparent

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KATAOKA, KEN et al., An organic-inorganic hybrid scaffold for the culture of HepG2 cells in a bioreactor, May 2005, Biomaterials, Vol. 26, Issue 15, pages 2509-2516, ISSN 0142-9612. See abstract; Materials and Methods; Fig. 1 and 4.	1-20
X	YABUTA, T. et al., Synthesis of PDMS-based porous materials for biomedical applications, Journal of Sol-Gel Science and Technology, January 2003, Vol. 26, pages 1219-1222, ISSN 0928-0707. See abstract; Experimental; Fig. 3; page 1221, right column, lines 3-7 Conclusions.	1-20
X	WO 2007/094929 A2 (THE REGENTS OF THE UNIVERSITY OF MICHIGAN) 23 Aug. 2007 See abstract; Par. [0031], [0032], [0044], [0047], [0050], [0055], and [0072] Examples; Claims.	1-20
A	GALLEGO, DANIEL et al., Multilayer micromolding of degradable polymer tissue engineering scaffolds, Materials Science and Engineering: C, 1 April 2008, Vol. 28, Issue 3, pages 353-358, ISSN 0928-4931. See the whole document.	1-20

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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Date of the actual completion of the international search

19 MAY 2010 (19.05.2010)

Date of mailing of the international search report

07 JUNE 2010 (07.06.2010)

Name and mailing address of the ISA/KR

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gu, Daejeon 302-701, Republic of Korea

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2009/065263

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2007-094929 A2	23.08.2007	EP 1991656 A2	19.11.2008
		WO 2007-094929 A3	13.12.2007
		WO 2007-094929 A3	23.08.2007