

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2015/064524

A. CLASSIFICATION OF SUBJECT MATTER
C12M1/00(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)
C12M1/00

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

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2015
Kokai Jitsuyo Shinan Koho	1971-2015	Toroku Jitsuyo Shinan Koho	1994-2015

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
JSTPlus/JMEDPlus/JST7580(JDreamIII),
CAPLUS/REGISTRY/MEDLINE/EMBASE/BIOSIS/WPIDS(STN), IEEE Xplore

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	LEE, K.H., et al., Synthesis of Cell-Laden Alginate Hollow Fibers Using Microfluidic Chips and Microvascularized Tissue-Engineering Applications, small, 2009, 5(11), pp.1264-1268, entire text, particularly, fig. 1 to 4	1-25
Y	Hiroaki ONOE et al., "Bottom Up Soshiki Kogaku", Journal of the Society for Bioscience and Bioengineering, Japan, 25 April 2014 (25.04.2014), 92(4), pages 161 to 165, page 163, right column, 6th line from the bottom to page 165, left column, line 18, paragraph of 'Senkeijo no Building Block'	1-25

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

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 10 August 2015 (10.08.15)	Date of mailing of the international search report 18 August 2015 (18.08.15)
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 2011/046105 A1 (The University of Tokyo), 21 April 2011 (21.04.2011), entire text; particularly, claims; examples; fig. 1, 13, 28 & JP 5633077 B & US 2012/0301963 A1 & EP 2489779 A1	1-25
Y	ONOE, H., et al., Metre-long cell-laden microfibres exhibit tissue morphologies and functions, Nature Materials, 2013, 12, pp.584- 590, entire text, particularly, summary, fig. 1	1-25
A	HIRAYAMA, K., et al., 3D MICROFLUIDICS FORMED WITH HYDROGEL SACRIFICIAL STRUCTURES, 2012 IEEE 25th International Conference on Micro Electro Mechanical Systems (MEMS), 2012, pp.200-203	1-25
A	WO 2011/046104 A1 (The University of Tokyo), 21 April 2011 (21.04.2011), (Family: none)	1-25