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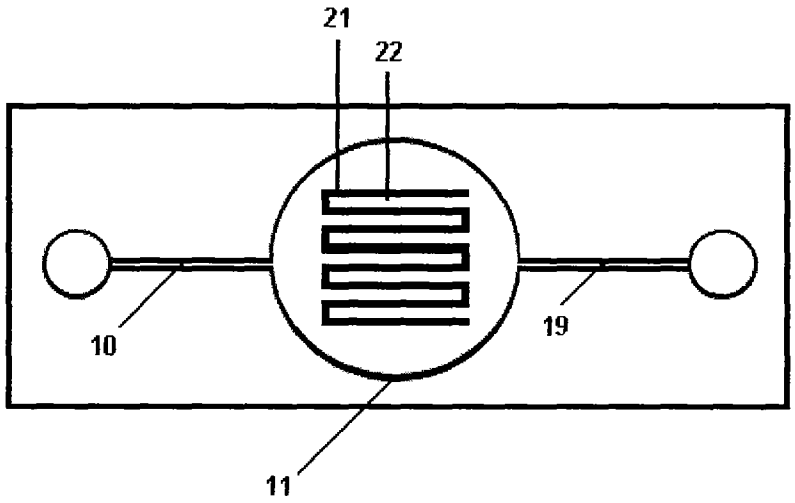
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(54) Title: BIOPRINTING THREE-DIMENSIONAL STRUCTURES ONTO MICROSCALE TISSUE ANALOG DEVICES FOR PHARMACOKINETIC STUDY AND OTHER USES



(57) Abstract: A microfluidic system for monitoring or detecting a change in a parameter of an input substance, which includes a microfluidic device having a tissue chamber and a tissue analog placed in the tissue chamber, wherein the tissue analog has a vessel structure mimicking naturally occurring vessel network incorporated in the tissue analog.

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INTERNATIONAL SEARCH REPORT

International application No.
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A. CLASSIFICATION OF SUBJECT MATTER
IPC: **C12M 1/32**(2006.01);**C12Q 1/18**(2006.01)

USPC: 435/34,288.3
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)
U.S. : 435/34,288.3

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2003/0082795 A1 (SHULER et al.) 01 May 2003 (01.05.2003), see entire document.	1-20
Y	WO 2005/057436 A1 (SUN et al.) 23 June 2005 (23.06.2005), see entire document.	1-20

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