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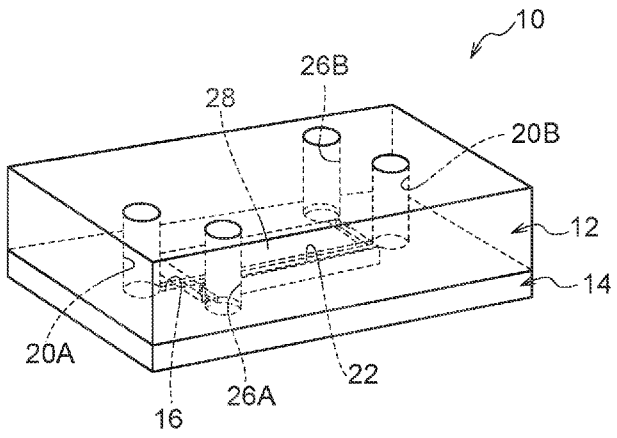
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(54) Title: BLOOD VESSEL MODEL

FIG.1



(57) Abstract: The present disclosure provides a blood vessel model including: a pair of channel members, mutually opposing each other, each of which includes an opposing face in which a respective microchannel is formed; and a porous membrane that includes plural through-holes penetrating in a thickness direction, that is disposed between the opposing faces of the pair of channel members, and that partitions between the microchannels, wherein the porous membrane is provided with a vascular endothelial cell layer so as to cover one face facing one of the microchannels, an average opening diameter of the through-holes is from 1 μm to 20 μm, and an opening coverage ratio of the through-holes is from 30% to 70%.

[Continued on next page]

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
See Search History document

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

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 2011/0053207 A1 (HOGANSON DM, et al.) 3 March 2011; figure 1; claim 14; paragraphs [0002], [0006], [0010], [0020]-[0021], [0024]-[0025], [0027]	1-2, 4, 8 ---- 3, 6-7
Y	US 8,679,336 B2 (HONGO K, et al.) 25 March 2014; figure 16, figures 18A, 18B, and 18C; column 2, lines 46-54; column 12, lines 20-34; column 18, lines 38-45	3, 6
Y	SATO K, et al. "Microfluidics for Nano-Pathophysiology" Adv Drug Deliv Rev 2014 July, vol. 74, pages 115-121 (page 1-30); figure 2a and figure 3; page 17, second-third paragraphs	7
A	US 2011/0189475 A1 (RIZK S, et al.) 04 August 2011; paragraphs [0014], [0016]	5
A	JP 4734157 B2 (FUJIFILM CORP) 27 July 2011 (machine translation English); abstract	5
A	JP 5815643 B2 (CHILDRENS MEDICAL CENTER) 17 November 2015 (machine translation English); abstract, page 37, second-third paragraph	5

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