

Title (en)  
BLOOD VESSEL MODEL

Title (de)  
BLUTGEFÄSSMODELL

Title (fr)  
MODÈLE DE VAISSEAU SANGUIN

Publication  
**EP 3635395 A2 20200415 (EN)**

Application  
**EP 18813126 A 20180607**

Priority  
• US 201715618151 A 20170609  
• US 201862640589 P 20180309  
• US 2018036364 W 20180607

Abstract (en)  
[origin: WO2018226902A2] 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  $\mu\text{m}$  to 20  $\mu\text{m}$ , and an opening coverage ratio of the through-holes is from 30% to 70%.

IPC 8 full level  
**G01N 33/50** (2006.01)

CPC (source: EP KR)  
**B01L 3/502761** (2013.01 - KR); **C12M 23/16** (2013.01 - KR); **C12M 25/02** (2013.01 - KR); **C12N 5/0691** (2013.01 - EP KR); **G01N 15/0806** (2013.01 - KR); **G01N 33/5064** (2013.01 - KR); **G01N 33/5088** (2013.01 - EP KR); **B01L 2200/0647** (2013.01 - KR); **C12N 2502/1347** (2013.01 - EP KR); **C12N 2502/1358** (2013.01 - EP KR); **C12N 2502/28** (2013.01 - EP KR); **C12N 2506/45** (2013.01 - EP KR); **C12N 2533/30** (2013.01 - EP KR); **C12N 2535/00** (2013.01 - EP KR); **G01N 2015/086** (2013.01 - KR); **G01N 2015/1006** (2013.01 - KR)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2018226902 A2 20181213**; **WO 2018226902 A3 20200326**; CA 3066616 A1 20181213; CA 3066616 C 20220621; CN 111263697 A 20200609; CN 111263697 B 20220408; EP 3635395 A2 20200415; EP 3635395 A4 20200729; JP 2020521974 A 20200727; JP 6869379 B2 20210512; KR 102345370 B1 20211231; KR 20200005742 A 20200116

DOCDB simple family (application)  
**US 2018036364 W 20180607**; CA 3066616 A 20180607; CN 201880037657 A 20180607; EP 18813126 A 20180607; JP 2019565825 A 20180607; KR 20197036088 A 20180607