

Title (en)  
3D SCAFFOLD COLONISED WITH BIOLOGICAL CELLS AND CONSISTING OF A BIOCOMPATIBLE POLYMER, AND PRODUCTION THEREOF

Title (de)  
MIT BIOLOGISCHEN ZELLEN BESIEDELTES 3D-GERÜST AUS BIOKOMPATIBLEM POLYMER UND DESSEN HERSTELLUNG

Title (fr)  
ÉCHAFAUDAGE 3D COLONISÉ PAR DES CELLULES BIOLOGIQUES ET CONSTITUÉ D'UN POLYMÈRE BIOCOMPATIBLE, ET SA PRODUCTION

Publication  
**EP 4065371 A1 20221005 (DE)**

Application  
**EP 20820324 A 20201120**

Priority  
• DE 102019132214 A 20191127  
• DE 2020100986 W 20201120

Abstract (en)  
[origin: WO2021104571A1] The invention relates to a 3D scaffold consisting of a biocompatible polymer and colonised with biological cells, in which scaffold the biological cells can be cultured to form a 3D cell culture construct that closely mimics a physiological architecture. The present invention also relates to a method for producing the 3D scaffold colonised with biological cells.

IPC 8 full level  
**B33Y 70/00** (2020.01); **B01L 3/00** (2006.01); **B33Y 10/00** (2015.01); **B33Y 80/00** (2015.01); **B81C 1/00** (2006.01); **C12M 1/00** (2006.01); **C12M 1/12** (2006.01); **C12M 1/26** (2006.01)

CPC (source: EP IL US)  
**B29C 64/124** (2017.08 - US); **B29C 64/135** (2017.08 - EP IL); **B33Y 10/00** (2014.12 - EP IL US); **B33Y 70/00** (2014.12 - EP IL US); **B33Y 80/00** (2014.12 - EP IL US); **B81C 1/00119** (2013.01 - EP IL); **C12M 25/14** (2013.01 - EP IL US); **C12M 33/00** (2013.01 - EP IL); **C12N 5/0068** (2013.01 - US); **B81B 2201/051** (2013.01 - EP IL); **B81B 2201/058** (2013.01 - EP IL); **B81B 2203/0315** (2013.01 - EP IL); **C12N 2513/00** (2013.01 - US); **C12N 2537/10** (2013.01 - US)

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)  
**DE 102019132214 B3 20210429**; CN 115943076 A 20230407; EP 4065371 A1 20221005; IL 293339 A 20220701; JP 2022548423 A 20221118; JP 7386999 B2 20231127; US 11993767 B2 20240528; US 2023133963 A1 20230504; WO 2021104571 A1 20210603

DOCDB simple family (application)  
**DE 102019132214 A 20191127**; CN 202080082748 A 20201120; DE 2020100986 W 20201120; EP 20820324 A 20201120; IL 29333922 A 20220525; JP 2022530944 A 20201120; US 202017779100 A 20201120