

Title (en)
LARGE-SCALE BIOREACTOR

Title (de)
GROSSBIOREAKTOR

Title (fr)
BIORÉACTEUR À GRANDE ÉCHELLE

Publication
EP 3681365 A4 20210616 (EN)

Application
EP 18852871 A 20180911

Priority
• US 201762556646 P 20170911
• US 201862636039 P 20180227
• US 2018050467 W 20180911

Abstract (en)
[origin: WO2019051486A1] In an embodiment of the invention, there may be provided a bioreactor having tissue scaffolds and having culture medium perfused therethrough. There may be multiple independent culture chambers and reservoirs or sub-reservoirs. Sensors can provide for individually controlling conditions in various culture chambers, and various culture chambers can be operated differently or for different durations. It is possible to infer the number of cells or the progress toward confluence from the fluid resistance of the scaffold, based on flowrate and pressure drop. Harvesting may include any combination or sequence of; exposure to harvesting reagent; vibration; liquid flow that is steady, pulsatile or oscillating; passage of gas-liquid interface through the scaffold. Vibration and flow can be applied so as to reinforce each other.

IPC 8 full level
A61B 1/00 (2006.01); **A61B 5/00** (2006.01); **A61L 27/00** (2006.01); **C12M 1/00** (2006.01); **C12M 1/12** (2006.01); **C12M 1/26** (2006.01); **C12M 1/32** (2006.01); **C12M 1/34** (2006.01)

CPC (source: EP)
C12M 23/58 (2013.01); **C12M 25/14** (2013.01); **C12M 29/10** (2013.01); **C12M 33/00** (2013.01); **C12M 33/08** (2013.01); **C12M 37/02** (2013.01); **C12M 41/00** (2013.01)

Citation (search report)
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• See references of WO 2019051486A1

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

DOCDB simple family (publication)
WO 2019051486 A1 20190314; CN 111132595 A 20200508; EP 3681365 A1 20200722; EP 3681365 A4 20210616

DOCDB simple family (application)
US 2018050467 W 20180911; CN 201880059387 A 20180911; EP 18852871 A 20180911