

Title (en)
MICROFLUIDIC CELL CULTURE

Title (de)
MIKROFLUIDISCHE ZELLKULTUR

Title (fr)
STRUCTURE CELLULAIRE MICROFLUIDIQUE

Publication
EP 3286296 A4 20190109 (EN)

Application
EP 16783924 A 20160422

Priority
• US 201562151325 P 20150422
• US 2016028808 W 20160422

Abstract (en)
[origin: TW201643241A] Systems, methods and kits are described for culturing one or more biological cells in a microfluidic device, including provision of nutrients and gaseous components configured to enhance cell growth, viability, portability, or any combination thereof. In some embodiments, culturing a single cell may produce a clonal population in the microfluidic device.

IPC 8 full level
C12M 1/00 (2006.01); **C12M 3/00** (2006.01)

CPC (source: CN EP US)
C12M 23/16 (2013.01 - CN EP US); **C12M 23/20** (2013.01 - CN); **C12M 29/10** (2013.01 - CN EP US); **C12M 41/26** (2013.01 - CN)

Citation (search report)
• [XP] WO 2015188171 A1 20151210 - BERKELEY LIGHTS INC [US]
• [E] WO 2016090295 A1 20160609 - UNIV CALIFORNIA [US], et al
• [A] US 2006226012 A1 20061012 - KANAGASABAPATHI THIRUKUMARAN T [CA], et al
• See also references of WO 2016172454A1

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)
CN 107849505 A 20180327; CN 107849505 B 20210907; CN 114085730 A 20220225; EP 3286296 A1 20180228; EP 3286296 A4 20190109; HK 1253068 A1 20190606; TW 201643241 A 20161216; TW 202233824 A 20220901; TW I744230 B 20211101; TW I819383 B 20231021

DOCDB simple family (application)
CN 201680036332 A 20160422; CN 202110967507 A 20160422; EP 16783924 A 20160422; HK 18112450 A 20180927; TW 105112686 A 20160422; TW 110136282 A 20160422