

Title (en)
METHODS AND APPARATUS FOR SEGREGATION OF PARTICLES, INCLUDING SEGREGATION AND PROLIFERATION OF FETAL AND STEM CELLS

Title (de)
VERFAHREN UND VORRICHTUNG ZUR PARTIKELABSONDERUNG EINSCHLIESSLICH ABSONDERUNG UND PROLIFERATION VON FÖTUS- UND STAMMZELLEN

Title (fr)
PROCÉDÉS ET APPAREIL DESTINÉS À LA SÉGRÉGATION DE PARTICULES, Y COMPRIS LA SÉGRÉGATION ET LA PROLIFÉRATION DE CELLULES FÉTALES ET SOUCHES

Publication
EP 2507382 A4 20160608 (EN)

Application
EP 10834005 A 20101129

Priority
• US 26491809 P 20091130
• US 2010058172 W 20101129

Abstract (en)
[origin: WO2011066497A2] The disclosure relates to an apparatus for segregating particles on the basis of their ability to flow through a stepped passageway. At least some of the particles are accommodated in a passage bounded by a first step, but at least some of the particles are unable to pass through a narrower passage bounded by a second step, resulting in segregation of the particles. The apparatus and methods described herein can be used to segregate particles of a wide variety of types. By way of example, they can be used to segregate fetal-like cells from a maternal blood sample such as maternal arterial blood.

IPC 8 full level
C12Q 1/24 (2006.01); **B01L 3/00** (2006.01); **C12N 5/073** (2010.01); **C12Q 1/04** (2006.01); **G01N 33/49** (2006.01); **G01N 33/50** (2006.01); **G01N 33/543** (2006.01)

CPC (source: EP)
B01L 3/502753 (2013.01); **C12Q 1/04** (2013.01); **G01N 1/4077** (2013.01); **G01N 15/0272** (2013.01); **G01N 33/491** (2013.01); **G01N 33/5005** (2013.01); **G01N 33/54366** (2013.01); **B01L 2300/0816** (2013.01); **B01L 2300/087** (2013.01); **B01L 2400/086** (2013.01)

Citation (search report)
• [A] US 6783928 B2 20040831 - HVICHIA GEORGI [US], et al
• [T] "CELLS FOR PRECISION MEDICINE. Capture and Harvest Circulating Cells of Interest", 1 January 2015, ANGLE INC, Philadelphia PA USA, article PARSORTIX: "CELLS FOR PRECISION MEDICINE. Capture and Harvest Circulating Cells of Interest", pages: 1 - 4, XP055268496
• See references of WO 2011066497A2

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 2011066497 A2 20110603; **WO 2011066497 A3 20111117**; AU 2010246381 A1 20101216; AU 2010246381 B2 20130815; BR 112012013034 A2 20161004; CA 2782176 A1 20110603; CA 2782176 C 20151006; CN 102695804 A 20120926; CN 102695804 B 20140903; EP 2507382 A2 20121010; EP 2507382 A4 20160608; JP 2013511992 A 20130411; JP 2016208978 A 20161215; MX 2012006244 A 20121015

DOCDB simple family (application)
US 2010058172 W 20101129; AU 2010246381 A 20101123; BR 112012013034 A 20101129; CA 2782176 A 20101129; CN 201080060399 A 20101129; EP 10834005 A 20101129; JP 2012541219 A 20101129; JP 2016109647 A 20160601; MX 2012006244 A 20101129