

Title (en)
DEDIFFERENTIATED, PROGRAMMABLE STEM CELLS HAVING A MONOCYTIC ORIGIN AND THE PRODUCTION AND USE THEREOF

Title (de)
DEDIFFERENZIERTE, PROGRAMMIERBARE STAMMZELLEN MONOZYT REN UR SPRUNGS, SOWIE DEREN HERSTELLUNG UND VERWENDUNG

Title (fr)
CELLULES SOUCHES DEDIFFERENCIEES PROGRAMMABLES, D'ORIGINE MONOCYTIQUE, AINSI QUE LEUR PRODUCTION ET LEUR UTILISATION

Publication
EP 1490479 A1 20041229 (DE)

Application
EP 03704703 A 20030225

Priority
• DE 10214095 A 20020328
• EP 0302121 W 20030225

Abstract (en)
[origin: DE10214095C1] Producing dedifferentiated, programmable stem cells of human monocytic origin, comprises isolating monocytes from human blood, propagating the monocytes in a culture medium which contains the cellular growth factor M-CSF, cultivating the monocytes, subsequently or simultaneously, in a culture medium containing IL-3 and obtaining the human adult dedifferentiated programmable stem cells by separating the cells from the culture medium. Independent claims are also included for: (1) dedifferentiated, programmable stem cells of human monocytic origin; (2) a pharmaceutical composition containing the dedifferentiated, programmable stem cells of (1); (3) differentiated, isolated, somatic target cells and/or target tissue, obtained by reprogramming the stem cells of (1), comprising the membrane-associated surface antigen CD14; and (4) implantable materials coated with the dedifferentiated, programmable stem cells of (1) or the somatic target cells and/or target tissue of (3).

IPC 1-7
C12N 5/08; A61K 35/12; A61L 27/38

IPC 8 full level
C12N 5/071 (2010.01); **A61K 35/12** (2006.01); **A61L 27/38** (2006.01); **A61P 41/00** (2006.01); **A61P 43/00** (2006.01); **C12N 5/078** (2010.01); **C12N 5/0789** (2010.01); **C12N 5/08** (2006.01)

CPC (source: EP KR US)
A61K 35/12 (2013.01 - KR); **A61L 27/3804** (2013.01 - EP US); **A61L 27/3839** (2013.01 - EP US); **A61L 27/3895** (2013.01 - EP US); **A61P 1/00** (2017.12 - EP); **A61P 3/00** (2017.12 - EP); **A61P 5/00** (2017.12 - EP); **A61P 7/00** (2017.12 - EP); **A61P 9/00** (2017.12 - EP); **A61P 13/00** (2017.12 - EP); **A61P 19/00** (2017.12 - EP); **A61P 25/00** (2017.12 - EP); **A61P 41/00** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **C12N 5/0619** (2013.01 - EP US); **C12N 5/0622** (2013.01 - EP US); **C12N 5/0629** (2013.01 - EP US); **C12N 5/0647** (2013.01 - KR); **C12N 5/0653** (2013.01 - EP US); **C12N 5/067** (2013.01 - EP US); **C12N 5/0676** (2013.01 - EP US); **C12N 5/069** (2013.01 - EP US); **C12N 5/0696** (2013.01 - EP US); **A61K 35/12** (2013.01 - EP US); **A61K 2035/124** (2013.01 - EP US); **C12N 2500/30** (2013.01 - EP US); **C12N 2500/44** (2013.01 - EP US); **C12N 2501/10** (2013.01 - EP US); **C12N 2501/11** (2013.01 - EP US); **C12N 2501/115** (2013.01 - EP US); **C12N 2501/117** (2013.01 - EP US); **C12N 2501/12** (2013.01 - EP US); **C12N 2501/20** (2013.01 - EP US); **C12N 2501/22** (2013.01 - EP US); **C12N 2501/23** (2013.01 - EP US); **C12N 2501/235** (2013.01 - EP US); **C12N 2501/33** (2013.01 - EP US); **C12N 2501/385** (2013.01 - EP US); **C12N 2501/39** (2013.01 - EP US); **C12N 2502/14** (2013.01 - EP US); **C12N 2506/11** (2013.01 - EP US); **C12N 2506/45** (2013.01 - EP US); **C12N 2510/00** (2013.01 - EP US)

Citation (search report)
See references of WO 03083091A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)
DE 10214095 C1 20030925; AR 039186 A1 20050209; AU 2003206966 A1 20031013; DE 60300681 D1 20050623; DE 60300681 T2 20060504; EP 1490479 A1 20041229; JO 2229 B1 20041007; KR 20040099366 A 20041126; MY 139935 A 20091130; RU 2004131657 A 20050920; RU 2333243 C2 20080910; US 2004101962 A1 20040527; WO 03083091 A1 20031009; ZA 200407765 B 20050928

DOCDB simple family (application)
DE 10214095 A 20020328; AR P030101099 A 20030328; AU 2003206966 A 20030225; DE 60300681 T 20030328; EP 0302121 W 20030225; EP 03704703 A 20030225; JO P20030033 A 20030327; KR 20047015260 A 20030328; MY PI20031133 A 20030327; RU 2004131657 A 20030328; US 37265703 A 20030225; ZA 200407765 A 20040927