

Title (en)
METHOD FOR THERAPEUTICALLY TREATING A CLINICALLY RECOGNIZED FORM OF CARDIOPATHOLOGY IN A LIVING MAMMAL

Title (de)
VERFAHREN ZUR THERAPEUTISCHEN BEHANDLUNG EINER KLINISCH ERKANNTEN KARDIOPATHOLOGISCHEN FORM IN EINEM SÄUGER

Title (fr)
METHODE DE TRAITEMENT THERAPEUTIQUE D'UNE FORME CLINIQUEMENT IDENTIFIEE DE CARDIOPATHIE CHEZ UN MAMMIFERE VIVANT

Publication
EP 1379869 A4 20040811 (EN)

Application
EP 02753613 A 20020314

Priority

- US 0207555 W 20020314
- US 27614801 P 20010315
- US 27614701 P 20010315
- US 27624701 P 20010315
- US 27624601 P 20010315
- US 27624501 P 20010315
- US 27624401 P 20010315
- US 27624301 P 20010315
- US 27617501 P 20010315

Abstract (en)
[origin: WO02075302A1] The present invention provides therapeutic methods which employ one or more identifiable types of mammalian stem cells, and/or their progenitor progeny cells, and/or their lineage-committed descendant cells, and/or their partially-differentiated offspring cells - with or without completely differentiated cells to treat living mammalian subjects afflicted with a clinically recognized form of cardiopathology. The identifiable cell types include embryonic stem cells and their offspring cells; as well as the presently identified types of adult stem cells and their various offspring cells; and also include recently identified alternative cells types which have functional stem cell properties. Among the clinical forms of cardiopathology which can be efficaciously treated using the present therapeutic methods are myocardial infarction, myocarditis, heart failure, and cardiac dysrhythmia.

IPC 1-7
G01N 33/00; A01K 67/00; A01K 67/027; A01K 67/033; A01N 43/04; A01N 63/00; A61K 31/70; A61K 48/00; C12N 5/00; C12N 5/02

IPC 8 full level
A01K 67/027 (2006.01); **A61K 31/70** (2006.01); **A61K 35/14** (2006.01); **A61K 35/28** (2006.01); **A61K 35/44** (2006.01); **A61K 35/50** (2006.01); **A61P 9/00** (2006.01); **A61P 9/04** (2006.01); **A61P 9/06** (2006.01); **A61P 43/00** (2006.01); **C12N 5/06** (2006.01); **C12N 5/0735** (2010.01); **C12N 5/0775** (2010.01); **A61K 35/12** (2006.01)

CPC (source: EP)
A01K 67/0271 (2013.01); **A61K 31/70** (2013.01); **A61P 9/00** (2017.12); **A61P 9/04** (2017.12); **A61P 9/06** (2017.12); **A61P 43/00** (2017.12); **C12N 5/0606** (2013.01); **C12N 5/0663** (2013.01); **A61K 35/12** (2013.01); **A61K 2035/124** (2013.01); **C12N 2510/00** (2013.01)

Citation (search report)

- [PX] WO 0209650 A2 20020207 - NEW YORK MEDICAL COLLEGE [US]
- [E] WO 02083864 A2 20021024 - ANTEROGEN CO LTD [KR], et al
- [E] WO 03010303 A1 20030206 - ES CELL INT PTE LTD [AU], et al
- [AD] US 5942225 A 19990824 - BRUDER SCOTT P [US], et al
- [PX] MIN JIANG-YONG ET AL: "Effects of co-transplantation of cultured human mesenchymal stem cells plus fetal cardiomyocytes on cardiac function in infarcted pigs", CIRCULATION, vol. 104, no. 17 Supplement, 23 October 2001 (2001-10-23), Scientific Sessions 2001 of the American Heart Association;Anaheim, California, USA; November 11-14, 2001, pages II.289, XP009032359, ISSN: 0009-7322
- [X] ORLIC D ET AL: "TRANSPLANTED HEMATOPOIETIC STEM CELLS REPAIR MYOCARDIAL INFARCTS", BLOOD, W.B.SAUNDERS COMPAGNY, ORLANDO, FL, US, vol. 96, no. 11, PART 1, 16 November 2000 (2000-11-16), pages 221A, XP002907062, ISSN: 0006-4971
- [X] TOMITA S ET AL: "AUTOLOGOUS TRANSPLANTATION OF BONE MARROW CELLS IMPROVES DAMAGED HEART FUNCTION", CIRCULATION, AMERICAN HEART ASSOCIATION, DALLAS, TX, US, vol. 110, no. SUPPL 19, 9 November 1999 (1999-11-09), pages II - 247-II-256, XP000869909, ISSN: 0009-7322
- [A] MIN JIANG-YONG ET AL: "Improvement of heart function in postinfarcted rats by transplantation of embryonic stem cells", CIRCULATION, vol. 102, no. 18 Supplement, 31 October 2000 (2000-10-31), Abstracts from American Heart Association Scientific Sessions 2000;New Orleans, Louisiana, USA; November 12-15, 2000, pages II.35, XP009032351, ISSN: 0009-7322
- [A] LEOR JONATHAN ET AL: "Gene transfer and cell transplant: An experimental approach to repair a 'broken heart'", CARDIOVASCULAR RESEARCH, vol. 35, no. 3, September 1997 (1997-09-01), pages 431 - 441, XP002284800, ISSN: 0008-6363
- [A] MARTIN BRADLEY J ET AL: "Human mesenchymal stem cells (hMSC) exhibit myogenic differentiation when implanted in infarcted rat myocardium", CIRCULATION, vol. 100, no. 18 SUPPL., 2 November 1999 (1999-11-02), 72nd Scientific Sessions of the American Heart Association;Atlanta, Georgia, USA; November 7-10, 1999, pages I.54, XP009032352, ISSN: 0009-7322
- [T] MIN JIANG-YONG ET AL: "Significant improvement of heart function by cotransplantation of human mesenchymal stem cells and fetal cardiomyocytes in postinfarcted pigs.", THE ANNALS OF THORACIC SURGERY. UNITED STATES NOV 2002, vol. 74, no. 5, November 2002 (2002-11-01), pages 1568 - 1575, XP002284801, ISSN: 0003-4975
- See references of WO 02075302A1

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

DOCDB simple family (publication)
WO 02075302 A1 20020926; WO 02075302 A8 20070907; CA 2441289 A1 20020926; EP 1379869 A1 20040114; EP 1379869 A4 20040811; JP 2004532202 A 20041021

DOCDB simple family (application)

