

Title (en)

A PROCESS OF CELL REPROGRAMMING THROUGH PRODUCTION OF A HETEROKARYON

Title (de)

VERFAHREN ZUM UMPROGRAMMIEREN EINER ZELLE MITTELS HETEROKARYON-HERSTELLUNG

Title (fr)

REPROGRAMMATION CELLULAIRE PAR PRODUCTION D'HETEROCARYON

Publication

EP 1096850 A4 20030625 (EN)

Application

EP 00922345 A 20000510

Priority

- AU 0000432 W 20000510
- AU PQ025999 A 19990510

Abstract (en)

[origin: WO0067569A1] The invention is directed to reprogramming an adult cell nucleus to produce an embryo. The process involves: taking a donor cell or nucleus; fusing the donor nucleus with a recipient cell that has not been enucleated to produce an aneuploid cell; waiting a period of time to allow the donor nucleus to be reprogrammed; and removing the recipient cell nucleus. This process results in an embryo with a reprogrammed nucleus.

IPC 1-7

A01K 67/00; **C12N 5/16**; **C12N 15/06**

IPC 8 full level

A01K 67/02 (2006.01); **A01K 67/027** (2006.01); **C12N 5/10** (2006.01); **C12N 15/09** (2006.01); **C12N 15/87** (2006.01); **C12N 15/873** (2010.01)

CPC (source: EP)

C12N 15/873 (2013.01)

Citation (search report)

- [E] WO 0067568 A1 20001116 - STEM CELL SCIENCES PTY LTD [AU], et al
- [X] KROLL K L ET AL: "TRANSGENIC X. LAEVIS EMBRYOS FROM EGGS TRANSPLANTED WITH NUCLEI OF TRANSFECTED CULTURED CELLS", SCIENCE, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE,, US, vol. 266, no. 5185, 28 October 1994 (1994-10-28), pages 650 - 653, XP000563889, ISSN: 0036-8075
- [PA] KIKYO NOBUAKI ET AL: "Reprogramming nuclei: Insights from cloning, nuclear transfer and heterokaryons", JOURNAL OF CELL SCIENCE, ESSEX, GB, vol. 113, no. 1, January 2000 (2000-01-01), pages 11 - 20, XP002237278
- [T] MUNSIE MEGAN ET AL: "Transgenic strategy for demonstrating nuclear reprogramming in the mouse.", CLONING AND STEM CELLS, vol. 4, no. 2, 2002, 2002, pages 121 - 130, XP009009938, ISSN: 1536-2302
- [T] VERMA P J ET AL: "Development of porcine nuclear transfer embryos following post fusion enucleation.", THERIOGENOLOGY, vol. 57, no. 1, 2 January 2002 (2002-01-02), Proceedings of the Annual Conference of the International Embryo Transfer Society;Foz do Iguassu, Parana, Brazil; January 12-15, 2001, pages 454, XP001147265, ISSN: 0093-691X
- See references of WO 0067569A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0067569 A1 20001116; AU PQ025999 A0 19990603; CA 2336437 A1 20001116; EP 1096850 A1 20010509; EP 1096850 A4 20030625; JP 2002543805 A 20021224

DOCDB simple family (application)

AU 0000432 W 20000510; AU PQ025999 A 19990510; CA 2336437 A 20000510; EP 00922345 A 20000510; JP 2000616617 A 20000510