

Title (en)
METHOD FOR GENOME EDITING

Title (de)
VERFAHREN ZUR GENOMBEARBEITUNG

Title (fr)
PROCÉDÉ D'ÉDITION DE GÉNOME

Publication
EP 2456877 A4 20120530 (EN)

Application
EP 10803004 A 20100723

Priority

- US 22841909 P 20090724
- US 23262009 P 20090810
- US 24587709 P 20090925
- US 26369609 P 20091123
- US 26390409 P 20091124
- US 33600010 P 20100114
- US 30808910 P 20100225
- US 30972910 P 20100302
- US 32370210 P 20100413
- US 32369810 P 20100413
- US 32371910 P 20100413
- US 34328710 P 20100426
- US 84221710 A 20100723
- US 84221910 A 20100723
- US 84226910 A 20100723
- US 84220810 A 20100723
- US 84220410 A 20100723
- US 84219810 A 20100723
- US 84218810 A 20100723
- US 84271910 A 20100723
- US 84271310 A 20100723
- US 84270810 A 20100723
- US 84269410 A 20100723
- US 84267810 A 20100723
- US 84266610 A 20100723
- US 84262010 A 20100723
- US 84257810 A 20100723
- US 84289710 A 20100723
- US 84289310 A 20100723
- US 84288610 A 20100723
- US 84283910 A 20100723
- US 84298010 A 20100723
- US 84297810 A 20100723
- US 84297610 A 20100723
- US 84298210 A 20100723
- US 84299410 A 20100723
- US 84299310 A 20100723
- US 84299110 A 20100723
- US 84299910 A 20100723
- US 84300010 A 20100723
- US 2010043167 W 20100723

Abstract (en)
[origin: WO2011011767A1] The present invention encompasses a method for creating an animal or cell with at least one chromosomal edit. In particular, the invention relates to the use of targeted zinc finger nucleases to edit chromosomal sequences. The invention further encompasses an animal or a cell created by a method of the invention.

IPC 8 full level
C12N 15/87 (2006.01); **C12N 15/85** (2006.01)

CPC (source: EP KR)
A01K 67/0275 (2013.01 - EP KR); **C12N 5/10** (2013.01 - KR); **C12N 15/8509** (2013.01 - EP KR); **C12N 15/87** (2013.01 - KR); **A01K 2217/075** (2013.01 - EP KR); **A01K 2227/10** (2013.01 - EP KR); **A01K 2227/103** (2013.01 - EP KR); **A01K 2227/105** (2013.01 - EP KR); **A01K 2227/107** (2013.01 - EP KR); **A01K 2227/108** (2013.01 - EP KR); **A01K 2227/706** (2013.01 - EP KR)

Citation (search report)

- [X] WO 03087341 A2 20031023 - UNIV UTAH RES FOUND [US], et al
- [X] MILLER JEFFREY C ET AL: "An improved zinc-finger nuclease architecture for highly specific genome editing", NATURE BIOTECHNOLOGY, NATURE PUBLISHING GROUP, NEW YORK, NY, US, vol. 25, no. 7, 1 July 2007 (2007-07-01), pages 778 - 785, XP002465119, ISSN: 1087-0156, DOI: 10.1038/NBT1319
- [X] URNOV F D ET AL: "Highly efficient endogenous human gene correction using designed zinc-finger nucleases", NATURE: INTERNATIONAL WEEKLY JOURNAL OF SCIENCE, NATURE PUBLISHING GROUP, UNITED KINGDOM, vol. 435, no. 7042, 2 June 2005 (2005-06-02), pages 646 - 651, XP002411069, ISSN: 0028-0836, DOI: 10.1038/NATURE03556
- [X] PORTEUS M H ET AL: "GENE TARGETING USING ZINC FINGER NUCLEASES", NATURE BIOTECHNOLOGY, NATURE PUBLISHING GROUP, NEW YORK, NY, US, vol. 23, no. 8, 1 August 2005 (2005-08-01), pages 967 - 973, XP002467422, ISSN: 1087-0156, DOI: 10.1038/NBT1125
- See references of WO 2011011767A1

Citation (examination)

GEURTS ARON M ET AL: "Knockout Rats via Embryo Microinjection of Zinc-Finger Nucleases", SCIENCE, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, US, vol. 325, no. 5939, 24 July 2009 (2009-07-24), pages 433, XP002580718, ISSN: 0036-8075, DOI: 10.1126/SCIENCE.1172447

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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2011011767 A1 20110127; AU 2010275432 A1 20120202; CA 2767377 A1 20110127; EP 2456877 A1 20120530; EP 2456877 A4 20120530; IL 217409 A0 20120229; JP 2013500018 A 20130107; KR 20120097483 A 20120904; SG 177711 A1 20120228

DOCDB simple family (application)

US 2010043167 W 20100723; AU 2010275432 A 20100723; CA 2767377 A 20100723; EP 10803004 A 20100723; IL 21740912 A 20120105; JP 2012521867 A 20100723; KR 20127004819 A 20100723; SG 2012004131 A 20100723