

Title (en)
METHOD FOR REMODELLING AN ANIMAL GENOME BY ZYGOTIC TRANSFER OF A SITE-SPECIFIC RECOMBINASE

Title (de)
VERFAHREN ZUR MODIFIZIERUNG DES GENOMS EINES TIERES DURCH ÜBERTRAGUNG EINER ORTSSPEZIFISCHEN REKOMBINASE IN EINEN OOZYTEN MITTELS EINES SPERMATOZOONS

Title (fr)
PROCEDE POUR REMODELER LE GENOME D'UN ANIMAL PAR TRANSFERT ZYGOTIQUE D'UNE RECOMBINASE SPECIFIQUE DE SITE

Publication
EP 1108052 A1 20010620 (FR)

Application
EP 99940242 A 19990827

Priority
• FR 9902053 W 19990827
• FR 9810841 A 19980828

Abstract (en)
[origin: FR2782734A1] The invention concerns a method for transferring into a mammal's oocyte a site-specific, in particular Cre-mediated, recombinase in its active form. Said recombinase is expressed under the control of a specific promoter in male germinal cells comprising at least a specific site and remains associated with the spermatozoid chromatin. Said method is particularly useful for remodelling an animal genome, for instance for inserting a foreign sequence into an animal genome, and for replacing a sequence by another. In the event where said promoter is a Sycp 1 promoter, an application mode enables to recombine paternal and maternal chromosomes. The invention also concerns animals obtainable by said method, and the use of said transgenic animals in pharmaceutical, cosmetic or agri-food industries.

IPC 1-7
C12N 15/90; **C12N 15/86**; **C12N 15/85**; **C12N 9/00**; **A01K 67/027**

IPC 8 full level
A01K 67/027 (2006.01); **C12N 15/09** (2006.01); **C12N 15/90** (2006.01)

CPC (source: EP)
A01K 67/0275 (2013.01); **C12N 15/907** (2013.01); **A01K 2217/05** (2013.01); **C12N 2800/30** (2013.01); **C12N 2840/203** (2013.01)

Citation (search report)
See references of WO 0012742A1

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)
FR 2782734 A1 20000303; CA 2340594 A1 20000309; EP 1108052 A1 20010620; JP 2002525084 A 20020813; WO 0012742 A1 20000309

DOCDB simple family (application)
FR 9810841 A 19980828; CA 2340594 A 19990827; EP 99940242 A 19990827; FR 9902053 W 19990827; JP 2000571070 A 19990827