

Title (en)

METHOD OF CONSTRUCTING VECTORS FOR HOMOLOGOUS RECOMBINATION DIRECTED MUTAGENESIS

Title (de)

VERFAHREN ZUR KONSTRUKTION VON VEKTOREN ZUR HOMOLOGEN REKOMBINATION DURCH GERICHTETE MUTAGENESE

Title (fr)

PROCEDE SERVANT A CONSTRUIRE DES VECTEURS DE RECOMBINAISON HOMOLOGUE POUR UNE MUTAGENESE DIRIGEE

Publication

**EP 0912722 A1 19990506 (EN)**

Application

**EP 98908603 A 19980220**

Priority

- DE 19707012 A 19970221
- US 9803243 W 19980220

Abstract (en)

[origin: WO9837175A1] The present invention provides a novel vector system and thereby a novel method for the simplified construction of recombinant vectors for directed mutagenesis. Said vector system is used to modify the eukaryotic genome, particularly of embryonic stem cells, at precise and predefined loci by the means of homologous recombination. Furthermore, said system finds its usage in the generation of new strategies for gene therapy and in the generation of genetically modified higher eukaryotic organisms.

IPC 1-7

**C12N 5/00**; **C12N 15/00**; **C12N 15/09**

IPC 8 full level

**C12N 15/00** (2006.01); **C12N 15/09** (2006.01); **C12N 15/66** (2006.01); **C12N 15/90** (2006.01)

CPC (source: EP)

**C12N 15/907** (2013.01); **A01K 2217/05** (2013.01)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 9837175 A1 19980827**; EP 0912722 A1 19990506; EP 0912722 A4 20011205; JP 2002514072 A 20020514

DOCDB simple family (application)

**US 9803243 W 19980220**; EP 98908603 A 19980220; JP 53687598 A 19980220