

Title (en)  
VECTORS AND METHODS FOR PROVIDING CELLS WITH ADDITIONAL NUCLEIC ACID MATERIAL INTEGRATED IN THE GENOME OF SAID CELLS

Title (de)  
VEKTOREN UND METHODEN ZUR BEREITSTELLUNG VON ZELLEN MIT ZUSÄTZLICHEM NUKLEINSÄUREMATERIAL IM GENOM DIESER ZELLEN

Title (fr)  
VECTEURS ET TECHNIQUES AFFERENTES FOURNISSANT DES CELLULES DONT LE GENOME RENFERME UN MATERIAU NUCLEOTIDIQUE SUPPLEMENTAIRE

Publication  
**EP 1003899 A1 20000531 (EN)**

Application  
**EP 98939015 A 19980811**

Priority  
• NL 9800456 W 19980811  
• US 90978697 A 19970812

Abstract (en)  
[origin: WO9907871A1] The present invention provides novel elements for improving genetic engineering techniques for producing recombinant nucleic acid molecules and/or recombinant cells. The novel elements are capable of integrating desired nucleic acid material into other nucleic acid materials, specifically into the genome of a host cell. The novel elements are derived from or based on transposons, in particular from the Tc/Mariner superfamily. In particular the essential elements of Tc1 enabling excision and pasting of the desired nucleic acid material are provided, together with the relevant transposase activity in cis or in trans.

IPC 1-7  
**C12N 15/90**; **C12N 15/55**; **C12N 9/22**; **C07K 14/435**; **A01K 67/027**; **A61K 48/00**

IPC 8 full level  
**A01K 67/027** (2006.01); **A61K 35/76** (2006.01); **A61K 48/00** (2006.01); **C07K 14/435** (2006.01); **C12N 5/10** (2006.01); **C12N 9/22** (2006.01); **C12N 15/09** (2006.01); **C12N 15/55** (2006.01); **C12N 15/90** (2006.01)

CPC (source: EP)  
**C07K 14/43545** (2013.01); **C12N 9/22** (2013.01); **C12N 15/90** (2013.01); **A01K 2217/05** (2013.01); **A61K 48/00** (2013.01)

Citation (search report)  
See references of WO 9907871A1

Designated contracting state (EPC)  
BE CH DE ES FR GB IT LI LU NL

DOCDB simple family (publication)  
**WO 9907871 A1 19990218**; AU 8752898 A 19990301; CA 2301198 A1 19990218; EP 1003899 A1 20000531; JP 2001512690 A 20010828

DOCDB simple family (application)  
**NL 9800456 W 19980811**; AU 8752898 A 19980811; CA 2301198 A 19980811; EP 98939015 A 19980811; JP 2000506354 A 19980811