Title (en)

VECTOR PARTICLES RESISTANT TO INACTIVATION BY HUMAN SERUM.

Title (de)

GEGEN DIE INAKTIVIERUNG DURCH MENSCHLICHES SERUM RESISTENTE VEKTORPARTIKEL.

Title (fr)

PARTICULES VECTEURS RESISTANTES A L'INACTIVATION PAR LE SERUM HUMAIN.

Publication

EP 0644946 A4 19970312 (EN)

Application

EP 93913964 A 19930514

Priority

- US 9304706 W 19930514
- US 89660392 A 19920610

Abstract (en)

[origin: WO9325698A1] A retroviral vector particle resistant to inactivation by human serum. The vector particles preferably include p15E protein wherein at least a portion of the DNA encoding p15E protein is mutated such that the vector particle is resistant to inactivation by human serum. The vector particles may further include a protein containing a receptor binding region which binds to the receptor of a human target cell, thereby enabling the direct introduction of desired heterologous genes in vivo, whereby the vector particle including the heterologous gene travels directly to a targeted cell or tissue.

IPC 1-7

C12P 21/06; C12N 15/00; C12N 7/00; C12N 5/00; C07K 1/00; C07K 14/00; C07K 15/00

IPC 8 full level

C12N 15/09 (2006.01); **C07K 14/15** (2006.01); **C12N 5/10** (2006.01); **C12N 7/00** (2006.01); **C12N 15/867** (2006.01); A61K 38/00 (2006.01)

CPC (source: EP)

C07K 14/005 (2013.01); **C12N 15/86** (2013.01); A61K 38/00 (2013.01); C12N 2740/13022 (2013.01); C12N 2740/13043 (2013.01)

Citation (search report)

- [X] WO 9119798 A1 19911226 - DANA FARBER CANCER INST INC [US]
- [X] BANAPOUR, B. ET AL.: "The Acquired Immunodeficiency Syndrome associated retrovirus is not sensitive to lysis or inactivation by human serum", VIROLOGY, vol. 152, no. 1, 1986, ORLANDO US, pages 268 - 271, XP002021491
- See references of WO 9325698A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

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DOCDB simple family (application)

US 9304706 W 19930514; CA 2137361 A 19930514; EP 93913964 A 19930514; JP 50147994 A 19930514