

Title (en)
IMPROVED ADENOVIRAL VECTORS AND PRODUCER CELLS

Title (de)
VERBESSERTE ADENOVIRALE VEKTOREN UND ZELLEN ZU DEREN HERSTELLUNG

Title (fr)
VECTEURS ADENOVIRAUX AMELIORES ET CELLULES PRODUCTRICES

Publication
EP 0797454 A1 19971001 (EN)

Application
EP 95943705 A 19951207

Priority
• US 9515947 W 19951207
• US 35508794 A 19941212
• US 45840395 A 19950602

Abstract (en)
[origin: WO9618418A1] An adenoviral vector wherein the adenoviral genome has been modified to reduce the host immune and inflammatory responses to the vector. In one embodiment, the adenoviral vector including an adenoviral 5' ITR; an adenoviral 3' ITR; an adenoviral encapsidation signal; at least one DNA sequence encoding a protein or polypeptide of interest; and a promoter controlling the DNA sequence(s) encoding the protein(s) or polypeptide(s) of interest. The adenoviral vector is free of all or a portion of each of the adenoviral E1 and E4 DNA sequences, or is free of all or a portion of each of the adenoviral E1 and E2 DNA sequences, or is free of all or a portion of each of the E1, E2 and E4 DNA sequences. Also disclosed and claimed is a producer cell for generating adenoviral vector particles, wherein the producer cell includes an adenoviral E1 DNA sequence and an adenoviral E4 DNA sequence, or includes an adenoviral E1 DNA sequence and an adenoviral E2a DNA sequence, or includes the adenoviral E1, E2a and E4 DNA sequences.

IPC 1-7
A61K 48/00; **C12N 15/00**

IPC 8 full level
C12N 15/09 (2006.01); **A61K 9/14** (2006.01); **A61K 31/70** (2006.01); **A61K 35/76** (2006.01); **A61K 38/00** (2006.01); **A61K 38/21** (2006.01); **A61K 38/28** (2006.01); **A61K 38/43** (2006.01); **A61K 38/55** (2006.01); **A61K 48/00** (2006.01); **A61P 1/16** (2006.01); **A61P 3/00** (2006.01); **A61P 3/08** (2006.01); **A61P 7/06** (2006.01); **A61P 25/28** (2006.01); **A61P 35/00** (2006.01); **C12N 5/00** (2006.01); **C12N 5/10** (2006.01); **C12N 7/00** (2006.01); **C12N 15/00** (2006.01); **C12N 15/861** (2006.01); **C12R 1/91** (2006.01); **C12R 1/92** (2006.01)

CPC (source: EP)
A61P 1/16 (2017.12); **A61P 3/00** (2017.12); **A61P 3/08** (2017.12); **A61P 7/06** (2017.12); **A61P 25/28** (2017.12); **A61P 35/00** (2017.12); **C12N 15/86** (2013.01); **A61K 48/00** (2013.01); **C12N 2710/10343** (2013.01); **C12N 2800/108** (2013.01); **C12N 2800/70** (2013.01); **C12N 2830/002** (2013.01); **C12N 2830/15** (2013.01); **C12N 2830/60** (2013.01)

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)
WO 9618418 A1 19960620; AU 4511196 A 19960703; AU 709498 B2 19990902; CA 2206683 A1 19960620; EP 0797454 A1 19971001; EP 0797454 A4 20011205; JP H10510987 A 19981027; NZ 300387 A 20010727

DOCDB simple family (application)
US 9515947 W 19951207; AU 4511196 A 19951207; CA 2206683 A 19951207; EP 95943705 A 19951207; JP 51915795 A 19951207; NZ 30038795 A 19951207