

Title (en)
PARTIALLY DELETED ADENOVIRAL VECTORS

Title (de)
TEILWEISE DELETIERTE ADENOVIRUSVEKTOREN

Title (fr)
VECTEURS ADENOVIRAUX A DELETION PARTIELLE

Publication
EP 1075532 A1 20010214 (EN)

Application
EP 99921601 A 19990430

Priority

- US 9909590 W 19990430
- US 8384198 P 19980501
- US 11811899 P 19990201

Abstract (en)
[origin: CA2328087A1] The invention is directed to novel partially deleted adenoviral vectors (DeAd) in which the majority of adenoviral early genes required for replication are deleted from the vector and placed within the chromosome of a producer cell line under conditional promoter control. The partially deleted adenoviral (DeAd) vectors of the invention can accommodate inserts, such as transgenes, of up to 12-15 kb in size. The invention is further directed to DeAd vector producer cell lines that contain the adenoviral early genes necessary for replication under conditional promoter control that allow for large scale production of vectors. The invention is also directed to methods for the production of DeAd vectors in such cell lines and to the use of such vectors to deliver transgenes to target cells.
[origin: CA2328087A1] The invention is directed to novel partially deleted adenoviral vectors (DeA d) in which the majority of adenoviral early genes required for replication are deleted from the vector and placed within the chromosome of a producer cell line under conditional promoter control. The partially deleted adenoviral (DeAd) vectors of the invention can accommodate inserts, such as transgenes, of up to 12-15 kb in size. The invention is further directed to DeAd vector producer cell lines that contain the adenoviral early genes necessary for replication under conditional promoter control that allow for large scale production of vectors. The invention is also directed to methods for the production of DeAd vectors in such cell lines and to the use of such vectors to deliver transgenes to target cells.

IPC 1-7
C12N 15/86; **C12N 5/10**

IPC 8 full level
C12N 1/15 (2006.01); **C12N 1/19** (2006.01); **C12N 1/21** (2006.01); **C12N 5/10** (2006.01); **C12N 7/00** (2006.01); **C12N 15/09** (2006.01); **C12N 15/86** (2006.01); **C12R 1/93** (2006.01)

Citation (search report)
See references of WO 9957296A1

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)
AU 3877099 A 19991123; CA 2328087 A1 19991111; EP 1075532 A1 20010214; JP 2002513582 A 20020514

DOCDB simple family (application)
AU 3877099 A 19990430; CA 2328087 A 19990430; EP 99921601 A 19990430; JP 2000547249 A 19990430