

Title (en)

TREATMENT OF HUMAN TUMORS BY GENETIC TRANSFORMATION OF HUMAN TUMOR CELLS

Title (de)

BEHANDLUNG VON MENSCHLICHEN TUMOREN DURCH GENETISCHE TRANSFORMATION VON MENSCHLICHEN TUMORZELLEN

Title (fr)

TRAITEMENT DE TUMEURS HUMAINES PAR TRANSFORMATION GENETIQUE DE CELLULES TUMORALES HUMAINES

Publication

**EP 0716614 A1 19960619 (EN)**

Application

**EP 94926678 A 19940902**

Priority

- US 9409961 W 19940902
- US 11666993 A 19930903

Abstract (en)

[origin: WO9506486A1] A method of treating a tumor in a human host wherein tumor cells are transduced in vivo with a nucleic acid sequence (DNA or RNA) encoding an agent which is capable of providing for the inhibition, prevention, or destruction of the growth of the tumor cells upon expression of the nucleic acid sequence encoding the agent. In one embodiment, such treatment is effected by administering to the tumor in vivo producer cells transduced with a retroviral vector including a gene encoding a negative selective marker. Once the producer cells are administered to the tumor, the producer cells generate infectious viral particles which infect the tumor cells. Upon subsequent administration of an interaction agent which interacts with the negative selective marker to produce an agent which is toxic to the tumor cells, the transduced tumor cells are killed. In a preferred embodiment, the method is used to treat human brain tumors.

IPC 1-7

**A61K 48/00**; A61K 51/00; C12N 15/86; C12N 15/63; C12N 15/38; C12N 5/10; C12N 5/08; A61B 5/055; A61B 6/02

IPC 8 full level

**C07H 21/04** (2006.01); **A61B 5/055** (2006.01); **A61K 31/52** (2006.01); **A61K 31/70** (2006.01); **A61K 35/74** (2006.01); **A61K 35/76** (2006.01); **A61K 38/45** (2006.01); **A61K 48/00** (2006.01); **A61P 35/00** (2006.01); **A61P 43/00** (2006.01); **C12N 15/867** (2006.01)

CPC (source: EP)

**A61K 38/45** (2013.01); **A61K 48/00** (2013.01); **A61P 35/00** (2017.12); **A61P 43/00** (2017.12); **C12N 15/86** (2013.01); **C12N 2740/13043** (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 9506486 A1 19950309**; CA 2169557 A1 19950309; EP 0716614 A1 19960619; EP 0716614 A4 19980204; JP H09505557 A 19970603

DOCDB simple family (application)

**US 9409961 W 19940902**; CA 2169557 A 19940902; EP 94926678 A 19940902; JP 50829695 A 19940902