

Title (en)
INFECTIOUS TARGETTED REPLICATION-DEFECTIVE VIRION

Publication
EP 0466815 A4 19920902 (EN)

Application
EP 90906533 A 19900405

Priority
US 33400689 A 19890405

Abstract (en)
[origin: WO9012087A1] Novel methods and compositions are provided for introducing a kill gene, a gene capable of killing or inhibiting the growth of a cell into a specific target cell. Particularly, a virion which is substantially replication defective is prepared which has targeting capability for a specific cell type. The targeting may be provided by the native virion surface glycoprotein or the surface glycoprotein may be modified so as to comprise a member of a specific binding pair such as an antibody, or fragment thereof, to a tumor specific antigen, a viral protein expressed by a virally infected cell, or a receptor ligand. Thus the virion will target the normal target cell for the virus or a cell comprising the other member of the specific binding pair. The growth inhibitory capacity of the virion is provided by the kill gene incorporated into the virion.

IPC 1-7
C12N 5/10; **C12N 7/01**; **C12N 15/00**; **C12N 7/04**; **C12N 15/33**; **C12N 15/85**

IPC 8 full level
C12N 5/10 (2006.01); **C07K 14/73** (2006.01); **C12N 7/01** (2006.01); **C12N 15/09** (2006.01); **C12N 15/867** (2006.01); **C12N 15/87** (2006.01); **A61K 38/00** (2006.01); **A61K 48/00** (2006.01)

CPC (source: EP)
C07K 14/70514 (2013.01); **C12N 7/00** (2013.01); **C12N 15/86** (2013.01); **C12N 15/87** (2013.01); **A61K 38/00** (2013.01); **A61K 48/00** (2013.01); **C12N 2740/13043** (2013.01); **C12N 2740/13045** (2013.01); **C12N 2740/16222** (2013.01); **C12N 2810/40** (2013.01); **C12N 2810/80** (2013.01); **C12N 2810/854** (2013.01); **C12N 2810/855** (2013.01); **C12N 2810/859** (2013.01)

Citation (search report)

- [XP] EP 0334301 A1 19890927 - VIAGENE INC [US]
- [E] EP 0415731 A2 19910306 - WELLCOME FOUND [GB]
- [Y] EP 0243204 A2 19871028 - CETUS CORP [US], et al
- [Y] EP 0273085 A1 19880706 - BATTELLE MEMORIAL INSTITUTE [CH]
- See references of WO 9012087A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 9012087 A1 19901018; EP 0466815 A1 19920122; EP 0466815 A4 19920902; JP H04504361 A 19920806

DOCDB simple family (application)
US 9001867 W 19900405; EP 90906533 A 19900405; JP 50619090 A 19900405