

Title (en)
TARGETED VIRAL VECTORS

Title (de)
GERICHTETE VIRAL VEKTOREN

Title (fr)
VECTEURS VIRAUX A CIBLES DEFINIES

Publication
EP 0927044 A4 19990908 (EN)

Application
EP 97918752 A 19970415

Priority
• US 9706590 W 19970415
• US 1549796 P 19960416

Abstract (en)
[origin: WO9738723A1] Viral vectors are targeted to selected cell types by blocking the wild-type viral cell binding site and incorporating a targeting agent into the vector particle. The targeting agent binds to the selected cell type by binding a molecule on the surface of the cell, or by binding a second targeting agent which binds the selected cell. Parvovirus, retrovirus, Herpes virus and Ad virus based vectors are provided. Libraries of viral vectors having the targeting agent are provided. Methods of selecting recombinant viral vectors from the libraries are also provided. Polypeptide ligands isolated from libraries of phage or viral vectors are provided.

IPC 1-7
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IPC 8 full level
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A61K 48/00 (2013.01); **C07K 16/2896** (2013.01); **C12N 15/86** (2013.01); **C07K 2319/00** (2013.01); **C12N 2740/13043** (2013.01); **C12N 2740/13045** (2013.01); **C12N 2750/14122** (2013.01); **C12N 2750/14143** (2013.01); **C12N 2750/14145** (2013.01); **C12N 2810/40** (2013.01); **C12N 2810/859** (2013.01)

Citation (search report)
• [XY] WO 9410323 A1 19940511 - IMP CANCER RES TECH [GB], et al
• [XA] WO 9411524 A1 19940526 - US HEALTH [US]
• [PX] WO 9705266 A1 19970213 - INTROGENE BV [NL], et al
• [Y] TRUONG V. L. ET AL.: "A TARGET-SPECIFIC MICROSPHERES DRUG DELIVERY SYSTEM MADE OF ENZYMATICALLY DEGRADABLE GELATIN AND CHONDROITIN SULFATE COACERVATES", PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON CONTROLLED RELEASE BIOACTIVE MATERIALS, vol. 20, 25 July 1993 (1993-07-25), pages 474 - 475, XP002016479, ISSN: 1022-0178
• [X] MICHAEL S. .I ET AL.: "ADDITION OF A SHORT PEPTIDE LIGAND TO THE ADENOVIRUS FIBER PROTEIN", GENE THERAPY, vol. 2, 1 November 1995 (1995-11-01), pages 660 - 668, XP002067517, ISSN: 0969-7128
• [A] SCOTT J. K. ET AL.: "SEARCHING FOR PEPTIDE LIGANDS WITH AN EPITOPE LIBRARY", SCIENCE, vol. 249, 27 July 1990 (1990-07-27), pages 386 - 390, XP000571645, ISSN: 0036-8075
• See references of WO 9738723A1

Designated contracting state (EPC)
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