

Title (en)  
TRANSFERRIN-POLYKATION/DNA COMPLEXES FOR THE SYSTEMIC TREATMENT OF TUMOUR DISEASES USING CYTOTOXIC PROTEINS

Title (de)  
TRANSFERRIN-POLYKATION/DNS-KOMPLEXE FÜR DIE SYSTEMISCHE THERAPIE VON TUMORERKRANKUNGEN MIT ZYTOTOXISCHEN PROTEINEN

Title (fr)  
COMPLEXES DE POLYKATION A BASE DE TRANSFERRINE/ADN POUR LE TRAITEMENT SYSTEMIQUE D'AFFECTIONS TUMORALES AVEC DES PROTEINES CYTOTOXIQUES

Publication  
**EP 1326646 A2 20030716 (DE)**

Application  
**EP 01986268 A 20011002**

Priority  
• DE 10049010 A 20001004  
• EP 0111373 W 20011002

Abstract (en)  
[origin: WO0228439A2] The invention relates to a DNA complex containing at least one DNA molecule and coding for at least one therapeutically effective protein having cytotoxic activity; and a transferrin-conjugated polycation, the zeta potential thereof being  $\leq +15$ mV. The complex, in which a high proportion of transferrin shields the positive charge, enables therapeutic DNA to be transported to tumours in a targeted manner during the systemic treatment of tumour diseases.

IPC 1-7  
**A61K 48/00**

IPC 8 full level  
**A61K 38/19** (2006.01); **A61K 48/00** (2006.01); **C12N 15/12** (2006.01); **C12N 15/24** (2006.01); **C12N 15/28** (2006.01)

CPC (source: EP US)  
**A61K 38/191** (2013.01 - EP US); **A61K 48/0008** (2013.01 - EP US); **A61K 48/0041** (2013.01 - EP US); **C12N 2310/3513** (2013.01 - EP US)

Citation (search report)  
See references of WO 0228439A2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**WO 0228439 A2 20020411**; **WO 0228439 A3 20020725**; AU 1820302 A 20020415; DE 10049010 A1 20020418; EP 1326646 A2 20030716; US 2002137670 A1 20020926

DOCDB simple family (application)  
**EP 0111373 W 20011002**; AU 1820302 A 20011002; DE 10049010 A 20001004; EP 01986268 A 20011002; US 96913901 A 20011003