

Title (en)  
IMPROVED METHODS FOR TRANSDUCING CELLS

Title (de)  
VERBESSERTES VERFAHREN ZUR TRANSDUKTION VON ZELLEN

Title (fr)  
METHODES AMELIOREES DE TRANSDUCTION CELLULAIRE

Publication  
**EP 0963440 A4 20041229 (EN)**

Application  
**EP 97950669 A 19971119**

Priority  
• US 9721475 W 19971119  
• US 3133096 P 19961120

Abstract (en)  
[origin: WO9822605A1] Disclosed are compositions and methods for inhibiting the expression and/or activity of endogenous beta -interferon in cells targeted for transduction with viral vectors, particularly adenoviral vectors. Therefore, also provided are improved methods for treatment of genetically-based diseases by gene therapy. Also disclosed are methods for the treatment of neovascularization-related diseases, for examples, cancer, by the production in vivo of angiostatin, which inhibits the formation of new blood vessels. In particular embodiments, this is accomplished by transduction of macrophages ex vivo with a GM-CSF gene, thereby inducing the secretion of macrophage metalloelastase, which converts plasminogen to angiostatin. The transduced macrophages, when administered, naturally home to tumor sites to effectively localize the therapeutic effect.

IPC 1-7  
**C12N 15/85**

IPC 8 full level  
**A61K 31/7088** (2006.01); **A61K 35/76** (2006.01); **A61K 38/00** (2006.01); **A61K 38/19** (2006.01); **A61K 38/48** (2006.01); **A61K 38/55** (2006.01); **A61K 39/395** (2006.01); **A61K 45/00** (2006.01); **A61K 48/00** (2006.01); **A61P 35/00** (2006.01); **A61P 37/00** (2006.01); **C07K 14/47** (2006.01); **C07K 14/565** (2006.01); **C12N 5/10** (2006.01); **C12N 15/09** (2006.01)

CPC (source: EP)  
**A61K 38/193** (2013.01); **A61K 48/00** (2013.01); **A61P 35/00** (2017.12); **A61P 37/00** (2017.12); **C07K 14/4702** (2013.01); **C07K 14/565** (2013.01); **C12N 2799/022** (2013.01)

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• See references of WO 9822605A1

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

DOCDB simple family (publication)  
**WO 9822605 A1 19980528**; CA 2275438 A1 19980528; EP 0963440 A1 19991215; EP 0963440 A4 20041229; JP 2001505205 A 20010417

DOCDB simple family (application)  
**US 9721475 W 19971119**; CA 2275438 A 19971119; EP 97950669 A 19971119; JP 52395398 A 19971119