

PATENTS

Recent patents in gene transfer

Patent #	Subject	Assignee	Author	Date	Status
GB 2331752	Reporter gene-labeled YAC vectors and transgenic mammals allowing for more reliable gene transfer; used for screening potential active agents.	Medical Research Council (London)	Harmar AJ, Schedl A, Shen S	6/2/99	A
WO 9925817	A nucleic acid flanked by binding sites for SB proteins (transposase), used to identify enhancers and coding sequences and for gene transfer.	Univ. Minnesota (Minneapolis, MN)	Clark KJ, Dupuy AJ, Ekker SC, Hackett PB, Ivics Z, Izsvak Z, Largaespada DA	5/27/99	A2
WO 9924602	The parallel determination of cell vitality and efficiency after gene transfer in eukaryotic cells by measuring enzyme activity followed by determining reporter gene activity.	Max Delbrück Center for Molecular Medicine (Germany)	Groth D, Reszka R	5/20/99	A2
WO 9923880	Detecting potential drug target proteins or determining the effect of a drug candidate using somatic cell gene transfer to mimic the action of the candidate drug.	Johns Hopkins Univ. (Baltimore, MD)	Marban E	5/20/99	A1
WO 9921591	A soluble ionic complex useful in the treatment of autoimmune and hyperproliferative diseases through in vitro and in vivo gene transfer.	American Home Products (Madison, NJ)	Musunuri S, Satishchandran C	5/6/99	A1
WO 9920773	Transcriptionally activated inverted terminal repeats, useful for the production of adeno-associated virus vectors for in vivo gene transfer.	Targeted Genetics (Seattle, WA)	Feldhaus AL	4/29/99	A2
DE 19756864	Production of neuronal or glial progenitor cells from embryonic stem cells; useful for the therapy of neural defects, for cell-mediated gene transfer in the nervous system, and for production of polypeptides in vitro.	Bruestle O	Bruestle O	4/29/99	C1
WO 9917807	A composition comprising a nucleic acid and a vasoactive drug for enhancing the uptake of nucleic acid by mammalian tissue cells useful in in vivo gene therapy.	Cobra Therapeutics (Cambridge, UK)	Hill SR, Thomson TA, Thorp SY	4/15/99	A1
US 5894060	Identification of a DNA sequence containing a human origin of replication (hORI); useful in gene transfer to somatic cells.	Boulikas T	Boulikas T	4/13/99	A
WO 9915677	Stable and efficient gene transfer using a recombinant viral vector encoding Bcl2 as well as a selected transgene.	Univ. Pennsylvania (Philadelphia, PA)	Chen S, Wilson JM	4/1/99	A1
WO 9915686	A dual selection cassette comprising eukaryotic viral vectors with positive and negative selection genes operably linked to their own promoters, for use in gene transfer.	GenVec (Rockville, MD)	Brough DE, Kovsesi I, McVey DL	4/1/99	A1
US 5885276	A cryosurgery device for performing transmyocardial cryo-vascularization; can be used for gene transfer since it provides a low-temperature environment for introducing vector particles, enabling maintenance of infectivity of vector particles and myocardial tissue.	Galil Medical Ltd.	Ammar R, Bliweis M, Ofer G, Sturlesi GE	3/23/99	A
JP 11056360	Gene transfer by electroporation, which involves transferring foreign genes by electroporation for a predetermined frequency and an electric pulse at a specified electric field strength.	Iwate Ken (Japan)	-	3/2/99	A
WO 9905301	Gene transfer by retrovirus in a medium containing a functional substance and optionally low-density lipoprotein; useful in treating, e.g., AIDS and cancer.	Takara Shuzo Co. Ltd. (Shiga, Japan)	Bagnis C, Imbert A, Mannoni P	2/4/99	A1
CN 1201071	Counter virus-gene transfer carrier PLJF and its method of preparation, for the treatment of malignant tumors such as digestive tract cancer with TNF.	No. 1 Hospital Zhongshan Medical Univ. (China)	Lu S, Ren C, Zhang H	12/9/98	A

Source: Derwent Information, Alexandria, VA. *The patents in the table are pending. The status of each application is slightly different from country to country. For further details, contact Derwent Information, 1725 Duke St., Suite 250, Alexandria, VA 22314. Tel: 1 (800) DERWENT (info@derwent.com).