

**OCTOBER, 2007 Gene-Related Patents Issued - Full patent:**  
<http://patft.uspto.gov/netahtml/PTO/srchnum.htm>

<b>CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY</b>				
<b>Pat No</b>	<b>Title</b>	<b>Assignee</b>	<b>Date Issued</b>	<b>Country</b>
7,279,298	Protein-deamidating enzyme, gene encoding the same, production process therefor, and use thereof	<b>Amano Pharmaceutical Co., Ltd.</b>	<b>9-Oct-07</b>	Japan
7,279,333	Virus envelope vector for gene transfer	<b>AnGes, MG, Inc.</b>	<b>9-Oct-07</b>	Japan
7,288,377	ADH1C	<b>AstraZeneca AB</b>	<b>30-Oct-07</b>	Sweden
7,288,367	Non-mevalonate isoprenoid pathway	<b>Bacher; Adelbert</b>	<b>30-Oct-07</b>	Germany
7,282,357	Method for the production by fermentation of sulphur-containing fine chemicals (metF)	<b>BASF Aktiengesellschaft</b>	<b>16-Oct-07</b>	Germany
7,288,409	Method of introducing a plurality of genes into plants	<b>Board of Control of Michigan Technological University</b>	<b>30-Oct-07</b>	United States
7,276,373	Surrogate cell-based system and method for assaying the activity of hepatitis C virus NS3 protease	<b>Boehringer Ingelheim (Canada) Ltd.</b>	<b>2-Oct-07</b>	Canada
7,279,313	Circular DNA molecule having a conditional origin of replication, process for their preparation and their use in gene therapy	<b>Centelion</b>	<b>9-Oct-07</b>	France
7,279,307	Metastatic breast and colon cancer regulated genes	<b>Chiron Corporation</b>	<b>9-Oct-07</b>	United States
7,279,284	Steroid hormone binding protein	<b>Chugai Seiyaku Kabushiki Kaisha</b>	<b>9-Oct-07</b>	Japan
7,288,376	Method of detection of SP-A2 gene variants useful for prediction of predisposition to aspergillosis	<b>Council of Scientific and Industrial Research</b>	<b>30-Oct-07</b>	India
7,288,395	ACC gene	<b>DSM IP Assets B.V.</b>	<b>30-Oct-07</b>	Netherlands
7,288,387	Genes of strain DC413 encoding enzymes involved in biosynthesis of carotenoid compounds	<b>E. I. du Pont de Nemours and Company</b>	<b>30-Oct-07</b>	United States
7,282,359	Plant 1-deoxy-D-xylulose 5-phosphate reductoisomerase	<b>E.I. Dupont de Nemours and Company</b>	<b>16-Oct-07</b>	United States
7,276,358	Rapid quantification of butyric acid-producing bacteria using real-time PCR	<b>Gas Technology Institute</b>	<b>2-Oct-07</b>	United States
7,285,400	High bone mass gene of 11q13.3	<b>Genome Therapeutics Corporation</b>	<b>23-Oct-07</b>	United States
7,279,318	Modification of biological elements	<b>Hybrid Systems Limited</b>	<b>9-Oct-07</b>	United Kingdom
7,282,365	Rhesus HER2/neu, nucleotides encoding same, and uses thereof	<b>Istituto di Ricerche di Biologia Molecolare P. Angeletti S.p.A.</b>	<b>16-Oct-07</b>	Italy
7,285,389	Protein, gene encoding the same, and method of utilization thereof	<b>Japan Tobacco Inc.</b>	<b>23-Oct-07</b>	United States
7,276,375	Monoclonal antibody recognizing phosphatidylinositol-3,4,5-triphosphate	<b>Medical &amp; Biological Laboratories Co., Ltd.</b>	<b>2-Oct-07</b>	Japan

7,276,356	Recombinant negative strand RNA virus expression systems and vaccines	<b>MedImmune Vaccines, Inc.</b>	<b>2-Oct-07</b>	United States
7,285,404	Cyclic depsipeptide synthetase and method for recombinant production	<b>Meiji Seika Kaisha, Ltd.</b>	<b>23-Oct-07</b>	United States
7,285,388	Methods for identification of alport syndrome	<b>Merlogen, LLC</b>	<b>23-Oct-07</b>	United States
7,282,360	Human protein kinase, phosphatase, and protease family members and uses thereof	<b>Millennium Pharmaceuticals, Inc.</b>	<b>16-Oct-07</b>	United States
7,279,279	Compositions and methods for determining anti-viral drug susceptibility and resistance and anti-viral drug screening	<b>Monogram Biosciences, Inc.</b>	<b>9-Oct-07</b>	United States
7,279,305	Gene, disrupted in schizophrenia	<b>N.V. Organon</b>	<b>9-Oct-07</b>	Netherlands
7,285,407	Genes of cell wall-degrading enzymes derived from aspergillus, and method for the production the enzymes	<b>National Institute of Advanced Industrial Science and Technology</b>	<b>23-Oct-07</b>	Japan
7,279,331	Differentiation of bone marrow cells into neuronal cells and uses therefor	<b>Philadelphia Health and Education Corporation</b>	<b>9-Oct-07</b>	United States
7,276,374	Enhanced plant cell transformation by addition of host genes involved in T-DNA integration	<b>Purdue Research Foundation</b>	<b>2-Oct-07</b>	United States
7,288,378	Compositions and methods for TIGR genotyping assays	<b>Quest Diagnostics Investments Incorporated</b>	<b>30-Oct-07</b>	United States
7,276,344	Methods for using the osteoclastogenesis inhibitory factor (OCIF) protein	<b>Sankyo Co., Ltd.</b>	<b>2-Oct-07</b>	Japan
7,282,345	C-erbB-2 external domain: GP75	<b>Schering AG</b>	<b>16-Oct-07</b>	Germany
7,276,355	Process for production of a recombinant protein and a fusion protein	<b>Sekisui Chemical</b>	<b>2-Oct-07</b>	Japan
7,288,397	Nicotianamine aminotransferase and gene therefor	<b>Sumitomo Chemical Company, Limited</b>	<b>30-Oct-07</b>	Japan
7,276,352	Induction of .beta. cell differentiation in human cells by stimulation of the GLP-1 receptor	<b>The Regents of the University of California</b>	<b>2-Oct-07</b>	United States
7,288,385	Increasing life span by modulation of Smek	<b>The Salk Institute for Biological Studies</b>	<b>30-Oct-07</b>	United States
7,279,294	Tumor markers in ovarian cancer	<b>The United States of America as represented by the Secretary, Dept. of Health and Human Services, NIH</b>	<b>9-Oct-07</b>	United States
7,276,340	Age determination from biological stains using messenger RNA profiling analysis	<b>University of Central Florida Research Foundation, Inc.</b>	<b>2-Oct-07</b>	United States
7,276,332	Bacteriophage linked immunosorbent assay for rapid, sensitive detection of multiple analytes	<b>University of Wyoming</b>	<b>2-Oct-07</b>	United States

7,276,353	Chimeric infectious DNA clones, chimeric porcine circoviruses and uses thereof	Virginia Tech Intellectual Properties, Inc.	2-Oct-07	United States
7,279,275	Methods and compositions for detection of segmented negative strand RNA viruses	Washington University	9-Oct-07	United States
7,285,395	Stearoyl-CoA desaturase 4 gene	Wisconsin Alumni Research Foundation	23-Oct-07	United States

#### CHEMISTRY: NATURAL RESINS OR DERIVATIVES

Pat No	Title	Assignee	Date Issued	Country
7,279,556	Nucleic acid and corresponding protein entitled 161P2F10B useful in treatment and detection of cancer	Agensys, Inc.	9-Oct-07	United States
7,279,558	Genes associated with the maintenance of differentiation of smooth muscle cells	Chugai Seiyaku Kabushiki Kaisha	9-Oct-07	Japan
7,288,635	Antibodies to a testis-specific differentiation-regulatory factor	Chugai Seiyaku Kabushiki Kaisha	30-Oct-07	Japan
7,285,641	Antibodies against gene products related to Werner's Syndrome	Fu; Ying-Hui	23-Oct-07	
7,276,584	Isolated nucleic acid molecules encoding the Br2 P-glycoprotein of maize and methods of modifying growth in plants transformed therewith	Pioneer Hi-Bred International, Inc.	2-Oct-07	United States
7,282,563	Opioid receptors and methods of use	The Regents of the University of California	16-Oct-07	United States
7,279,555	Advanced antigen presentation platform	Virginia Commonwealth University	9-Oct-07	United States

#### DATA PROCESSING

Pat No	Title	Assignee	Date Issued	Country
7,289,972	Cognitive radio engine based on genetic algorithms in a network	Virginia Tech Intellectual Properties, Inc.	30-Oct-07	United States
7,277,798	Methods for extracting similar expression patterns and related biopolymers	Hitachi Software Engineering Co., Ltd.	2-Oct-07	Japan
7,289,911	System, methods, and computer program product for analyzing microarray data	Rigney; David Roth	30-Oct-07	United States

#### DRUG

Pat No	Title	Assignee	Date Issued	Country
7,288,251	Antibodies to CD40	Abgenix, Inc.	30-Oct-07	
7,285,540	Medicament comprising HGF gene	AnGes MG, Inc.	23-Oct-07	Japan
7,285,288	Inhibition of Bcl-2 protein expression by liposomal antisense oligodeoxynucleotides	Board of Regents, the University of Texas System	23-Oct-07	United States

7,288,531	Potent inhibition of influenza virus by specifically designed short interfering RNA	Cal Poly Pomona Foundation	30-Oct-07	United States
7,279,164	Chimeric proteins that induce effects directed against viruses	Centro de Ingenieria Genetica y Biotecnologia	9-Oct-07	Cuba
7,288,261	Mid-life vaccine and methods for boosting anti-mycobacterial immunity	Colorado State University Research Foundation	30-Oct-07	United States
7,285,265	Stable adenoviral vectors and methods for propagation thereof	Crucell Holland B.V.	23-Oct-07	Netherlands
7,288,521	Growth factor therapy mobilization of stem cells into the peripheral blood	Franco; Wayne P.	30-Oct-07	United States
7,276,234	Method of acquiring immunological tolerance	Japan Science and Technology Agency	2-Oct-07	Japan
7,288,571	Thyroid receptor ligands and method II	Karo Bio AB	30-Oct-07	Sweden
7,288,529	ALK protein tyrosine kinase, cells and methods embodying and using same	New York University	30-Oct-07	United States
7,276,490	Medicinal compositions containing prostacyclin synthase gene	Tanabe; Tadashi	2-Oct-07	Japan
7,285,542	Hyperthermic inducible expression vectors for gene therapy and methods of use thereof	The Arizona Board of Regents on behalf of The University of Arizona	23-Oct-07	United States
7,282,489	Compositions and methods for performing reverse gene therapy	The Children's Hospital of Philadelphia	16-Oct-07	United States
7,285,538	Gene repair involving in vivo excision of targeting DNA	The Children's Medical Center Corporation	23-Oct-07	United States
7,282,222	Methods and compositions for directing cells to target organs	The United States of America as Represented by the Department of Veterans Affairs	16-Oct-07	United States
7,282,200	Mixed-cell gene therapy	Tissuegene, Inc.	16-Oct-07	United States
7,282,479	Hyperthermia agent for malignant tumor comprising cytokine and magnetic fine particles	TTC Co., Ltd.	16-Oct-07	Japan
7,276,240	Antibodies to novel proteins in enteroaggregative Escherichia coli (EAEC) useful for diagnosis and therapy of EAEC infections	University of Maryland, Baltimore	2-Oct-07	United States
7,279,166	Chimeric infectious DNA clones, chimeric porcine circoviruses and uses thereof	Virginia Tech Intellectual Properties, Inc.	9-Oct-07	United States

#### MULTICELLULAR LIVING ORGANISMS

Pat No	Title	Assignee	Date Issued	Country
7,282,624	Plant cell death system	Advanced Technologies (Cambridge) Limited	16-Oct-07	United Kingdom

7,285,701	Cyanobacterial nucleic acid fragments encoding proteins useful for controlling plant traits via nuclear or plastome transformation	<b>BASF Plant Science GmbH</b>	<b>23-Oct-07</b>	United States
7,279,616	Method for improving corn starch extractability	<b>Biogemma</b>	<b>9-Oct-07</b>	France
7,288,696	Genetic engineering of syringyl-enriched lignin in plants	<b>Board of Control of Michigan Technological University</b>	<b>30-Oct-07</b>	United States
7,288,695	Plant genes encoding Dr1 and DRAP1, a global repressor complex of transcription	<b>E.I. DuPont de Nemours and Company</b>	<b>30-Oct-07</b>	United States
7,282,622	Flower morphology of plants by targeting mads-box gene	<b>National Institute of Agrobiological Sciences</b>	<b>16-Oct-07</b>	Japan
7,276,647	Isolated nucleic acid molecules encoding the Dw3 P-glycoprotein of sorghum and methods of modifying growth in transgenic plants therewith	<b>Pioneer Hi-Bred International, Inc.</b>	<b>2-Oct-07</b>	United States
7,276,646	Synthetic polynucleotide coding for human lactoferrin, vectors, cell and transgenic plants containing it	<b>Plantechno S.r.l.</b>	<b>2-Oct-07</b>	Italy
7,282,623	Production of gamma linolenic acid by a .DELTA. 6-desaturase	<b>Rhone-Poulenc Agrochimie</b>	<b>16-Oct-07</b>	France
7,285,699	Ends-out gene targeting method	<b>Stowers Institute for Medical Research</b>	<b>23-Oct-07</b>	United States
7,282,621	Somatic recombination	<b>The Board of Trustees for the Leland Stanford Junior University</b>	<b>16-Oct-07</b>	United States

#### **ORGANIC COMPOUNDS**

<b>Pat No</b>	<b>Title</b>	<b>Assignee</b>	<b>Date Issued</b>	<b>Country</b>
7,288,645	Nucleic acid molecules encoding sucrose transporters	<b>E.I. DuPont de Nemours and Company</b>	<b>30-Oct-07</b>	United States
7,282,576	Coactivators in the diagnosis and treatment of breast cancer	<b>Georgetown University</b>	<b>16-Oct-07</b>	United States
7,285,656	Root-specific conifer gene promoter and its use	<b>Her Majesty the Queen in Right of Canada, as represented by the Minister of Natural Resources Canada, Canadian Forest Service</b>	<b>23-Oct-07</b>	Canada
7,276,595	DNA sequence encoding a retinoic acid regulated protein	<b>Hong Kong University of Science &amp; Technology Inc.</b>	<b>2-Oct-07</b>	Hong Kong
7,276,596	Promoter from maize invertase inhibitor gene	<b>Pioneer Hi-Bred International, Inc.</b>	<b>2-Oct-07</b>	United States
7,288,644	Cellular genes regulated by HIV-1 infection and methods of use thereof	<b>The Children's Hospital of Philadelphia</b>	<b>30-Oct-07</b>	United States

7,285,657	Rubisco small subunit promotes from Brassica rapa and uses thereof	<b>Unicorp Ltd</b>	<b>23-Oct-07</b>	Finland
7,279,568	Highly efficient eukaryotic expression vector comprising an exogenous transcription regulatory element	<b>ViroMed Limited</b>	<b>9-Oct-07</b>	Korea
7,279,565	Molecular regulatory circuits to achieve sustained activation of genes of interest by a single stress	<b>Voellmy; Richard</b>	<b>9-Oct-07</b>	Switzerland

**SURGERY**

<b>Pat No</b>	<b>Title</b>	<b>Assignee</b>	<b>Date Issued</b>	<b>Country</b>
7,280,874	Methods for determining therapeutic resonant frequencies	<b>Boehm; Charlene A.</b>	<b>9-Oct-07</b>	United States