

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

| CHEMISTRY: ANALYTICAL AND IMMUNOLOGICAL TESTING | | | | |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------|----------------|
| Patent Number | Title | Assignee | Date Issued | Country |
| 7,166,468 | Production of the lantibiotic cinnamycin with genes isolated from <i>Streptomyces cinnamoneus</i> | Plant Bioscience Limited | 23-Jan-07 | United Kingdom |

| CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY | | | | |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------|----------------|
| Patent Number | Title | Assignee | Date Issued | Country |
| 7,160,704 | Method for producing target substance | Ajinomoto Co., Inc. | 9-Jan-07 | United States |
| 7,163,810 | Method for producing target substance | Ajinomoto Co., Inc. | 16-Jan-07 | Japan |
| 7,157,252 | Glutaminase, its gene and a method of producing it | Ajinomoto Co., Inc. | 2-Jan-07 | Japan |
| 7,160,705 | Arginine repressor deficient strain of coryneform bacterium and method for producing L-arginine | Ajinomoto Co., Inc. | 9-Jan-07 | Japan |
| 7,160,701 | Genes for detecting bacteria and a method for detecting bacteria by using the genes | Asahi Breweries, Ltd. | 9-Jan-07 | Japan |
| 7,157,240 | MID 4460, a human tyrosine phosphatase family member and uses therefor | Bayer Healthcare AG | 2-Jan-07 | Germany |
| 7,169,604 | Method for PR-39 peptide mediated selective inhibition of I.kappa.B.alpha. degradation | Beth Israel Deaconess Medical Center | 30-Jan-07 | United States |
| 7,160,720 | CHAMP--a novel cardiac helicase-like factor | Board of Regents, The University of Texas System | 9-Jan-07 | United States |
| 7,160,722 | Master bone formation transcription factor: compositions and methods of use | Board of Regents, The University of Texas System | 9-Jan-07 | United States |
| 7,163,812 | Actinobacillus succinogenes shuttle vector and methods of use | Board of Trustees of Michigan State University | 16-Jan-07 | United States |
| 7,169,596 | Adenosine deaminase homolog | Bristol-Meyers Squibb Company | 30-Jan-07 | United States |
| 7,163,808 | Artery smooth muscle- and vein smooth muscle-specific proteins and uses therefor | California Institute of Technology | 16-Jan-07 | United States |
| 7,163,795 | Methods and compositions for pearl oyster cultivation | Changene, Inc. | 16-Jan-07 | United States |
| 7,166,448 | Ferroportin1 nucleic acids and proteins | Children's Medical Center Corporation | 23-Jan-07 | United States |
| 7,160,703 | Nucleotide sequences coding for the PtsI protein | Degussa AG | 9-Jan-07 | Germany |
| 7,160,711 | Coryneform bacteria which produce chemical compounds I | Degussa AG | 9-Jan-07 | Germany |
| 7,169,583 | Method for the detection of gene with DNA micro-array | Fuji Photo Film Co., Ltd. | 30-Jan-07 | Japan |
| 7,157,272 | Constructs for gene expression analysis | Gene Stream Pty Ltd. | 2-Jan-07 | Australia |

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| 7,157,245 | Neisserial vaccine compositions and methods | Health Protection Agency | 2-Jan-07 | United Kingdom |
| 7,166,432 | Compositions and methods for genetic analysis | Integragen | 23-Jan-07 | France |
| 7,157,260 | Nicotianamine synthase and gene encoding the same | Japan Science & Technology Agency | 2-Jan-07 | Japan |
| 7,163,791 | .alpha.,2,8-sialyltransferase | Kyowa Hakko Kogyo Co., Ltd. | 16-Jan-07 | Japan |
| 7,160,693 | Human hydrolase family members and uses thereof | Millennium Pharmaceuticals, Inc. | 9-Jan-07 | United States |
| 7,166,428 | 62112, a novel human dehydrogenase and uses thereof | Millennium Pharmaceuticals, Inc. | 23-Jan-07 | United States |
| 7,169,589 | Silicatein-mediated synthesis of amorphous silicates and siloxanes and use thereof | Muller; Werner E. G. | 30-Jan-07 | Germany |
| 7,157,224 | Screening and use of agents which block or activate intein splicing utilizing natural or homologous exteins | New England Biolabs, Inc. | 2-Jan-07 | United States |
| 7,157,279 | Flowering genes | Pioneer Hi-Bred International, Inc. | 2-Jan-07 | United States |
| 7,160,682 | Nucleic acid transfer vector for the introduction of nucleic acid into the DNA of a cell | Regents of the University of Minnesota | 9-Jan-07 | United States |
| 7,166,465 | Constitutive promoter from Arabidopsis | Rhobio | 23-Jan-07 | France |
| 7,166,438 | In Vitro screening for ligands of the estrogen receptor | Schering AG | 23-Jan-07 | Germany |
| 7,166,455 | Method for overexpression of zwitterionic polysaccharides | The Brigham and Women's Hospital, Inc. | 23-Jan-07 | United States |
| 7,166,449 | .alpha.1,3-fucosyltransferase | The Governors of the University of Alberta | 23-Jan-07 | Canada |
| 7,166,427 | Detecting the expression of the DESC1 gene in squamous cell carcinoma | The Ohio University Research Foundation | 23-Jan-07 | United States |
| 7,163,806 | Somatic cells with ablated PrP gene and methods of use | The Regents of the University of California | 16-Jan-07 | United States |
| 7,157,233 | Methods and compositions for the detection of cervical disease | TriPath Imaging, Inc. | 2-Jan-07 | United States |
| 7,166,430 | Sequence of the tropheryma whippelii bacteria rpoB gene and oligonucleotide for molecular diagnosis of whipple's disease | Universite de la Mediterranee (Aix-Marseille II) | 23-Jan-07 | France |
| 7,160,727 | Methods for producing and using in vivo pseudotyped retroviruses using envelope glycoproteins from lymphocytic choriomeningitis virus (LCMV) | University of Iowa Research Foundation | 9-Jan-07 | United States |
| 7,157,227 | Microarrays to screen regulatory genes | University of Louisville Research Foundation | 2-Jan-07 | United States |
| 7,166,462 | Methods and systems for facilitating the diagnosis and treatment of schizophrenia | Vanderbilt University | 23-Jan-07 | United States |
| 7,160,695 | Molecules of the PYRIN/NBS/LRR protein family and uses thereof | Wyeth | 9-Jan-07 | United States |

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| 7,160,702 | Methods and nucleic acid vectors for rapid expression and screening of CDNA clones | Yang; Shuwei | 9-Jan-07 | United States |
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| CHEMISTRY: NATURAL RESINS OR DERIVATIVES | | | | |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------|----------------|
| Patent Number | Title | Assignee | Date Issued | Country |
| 7,166,704 | Antibodies immunologically specific for PD2, a protein that is amplified and overexpressed in pancreatic cancer | Board of Regents of the University of Nebraska | 23-Jan-07 | United States |
| 7,164,006 | Alteration of plant meristem function by manipulation of the Retinoblastoma-like plant RRB gene | The United States of America as represented by the United States Department of Energy | 16-Jan-07 | United States |
| 7,166,698 | Mammalian gene, bcl-w, belongs to the bcl-2 family of apoptosis-controlling genes | The Walter and Eliza Hall Institute of Medical Research | 23-Jan-07 | Australia |

| DATA PROCESSING | | | | |
|---------------------------|-------------------------------------------------|---------------------------------------------|--------------------|----------------|
| Patent Number | Title | Assignee | Date Issued | Country |
| 7,158,889 | Gene finding using ordered sets | International Business Machines Corporation | 2-Jan-07 | United States |

| DRUG | | | | |
|---------------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--------------------|----------------|
| Patent Number | Title | Assignee | Date Issued | Country |
| 7,169,764 | Promoter for smooth muscle cell expression | Arch Development Corporation | 30-Jan-07 | United States |
| 7,169,384 | Tumor suppressor CAR-1 | Board of Regents, The University of Texas System | 30-Jan-07 | United States |
| 7,166,280 | Combination growth factor therapy and cell therapy for treatment of acute and chronic heart disease | Franco; Wayne P. | 23-Jan-07 | United States |
| 7,160,548 | Mycobacterium strains with modified erp gene and vaccine composition containing same | Institut Pasteur | 9-Jan-07 | France |
| 7,166,642 | Use of cyclohexenone long-chain alcohol for treating neurodegenerative diseases | Meiji Dairies Corporation | 23-Jan-07 | Japan |
| 7,163,926 | Adjuvant-containing vaccines | Merial | 16-Jan-07 | France |
| 7,160,868 | Nr-CAM gene, nucleic acids and nucleic acid products for therapeutic and diagnostic uses for tumors | Northwest Hospital | 9-Jan-07 | United States |
| 7,157,098 | Gene therapy of tumors using non-viral delivery system | Perez-Soler; Roman | 2-Jan-07 | United States |
| 7,166,289 | Nucleic acid molecules encoding inclusion membrane protein C of Chlamydia | Sanofi Pasteur Limited | 23-Jan-07 | Canada |
| 7,157,084 | Extracellular serine protease | The Board of Trustees of The University of Arkansas System | 2-Jan-07 | United States |

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| 7,160,914 | Compounds that exhibit specific molecular recognition of mixed nucleic acid sequences and bind in the DNA minor groove as a dimer | The University of North Carolina at Chapel Hill | 9-Jan-07 | United States |
| 7,166,584 | Cholesterol transport gene | Wisconsin Alumni Research Foundation | 23-Jan-07 | United States |

LIQUID PURIFICATION OR SEPARATION

| Patent Number | Title | Assignee | Date Issued | Country |
|---------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------|---------------|
| 7,160,464 | Methods for removal, purification, and concentration of viruses and methods of therapy based thereupon | The General Hospital Corporation | 9-Jan-07 | United States |

MULTICELLULAR LIVING ORGANISMS

| Patent Number | Title | Assignee | Date Issued | Country |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-------------|----------------|
| 7,169,968 | Elongase promoters | Biogemma UK Limited | 30-Jan-07 | United Kingdom |
| 7,164,058 | Restoration of fertility to cytoplasmic male sterile petunia | Cornell Research Foundation, Inc. | 16-Jan-07 | United States |
| 7,164,055 | HSPC150-like gene disruptions, compositions and methods related thereto | Deltagen, Inc. | 16-Jan-07 | United States |
| 7,166,764 | Noc2 knockout mouse | JCR Pharmaceuticals Co., Ltd. | 23-Jan-07 | Japan |
| 7,161,061 | Metabolite transporters | LLC | 9-Jan-07 | United States |
| 7,161,064 | Method for producing stably transformed duckweed using microprojectile bombardment | North Carolina State University | 9-Jan-07 | United States |
| 7,164,056 | Gene targeting using replicating DNA molecules | Pioneer Hi-Bred International, Inc. | 16-Jan-07 | United States |
| 7,157,623 | Transgenic maize encoding an endosperm specific prolamin box binding factor peptide, which produces seed with increased methionine or lysine content | Regents of the University of California, San Diego | 2-Jan-07 | United States |
| 7,161,058 | Animal model for identifying agents that inhibit or enhance CTLA4 signaling | The Ohio State University Research Foundation | 9-Jan-07 | United States |
| 7,169,964 | Genetic control of organ abscission | The Salk Institute for Biological Studies | 30-Jan-07 | United States |
| 7,169,972 | Methods and compositions to modulate ethylene sensitivity | The Salk Institute for Biological Studies | 30-Jan-07 | United States |

ORGANIC COMPOUNDS

| Patent Number | Title | Assignee | Date Issued | Country |
|---------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------|-------------|---------------|
| 7,169,913 | Engineered secreted alkaline phosphatase (SEAP) reporter genes and polypeptides | Aventis Pharma SA | 30-Jan-07 | France |
| 7,157,571 | Hepatoma specific chimeric regulatory sequence | Industrial Technology Research Institute | 2-Jan-07 | Taiwan |
| 7,157,575 | Substrates for .beta.-lactamase and uses thereof | The Regents of the University of California | 2-Jan-07 | United States |

| SYNTHETIC RESINS OR NATURAL RUBBERS | | | | |
|--------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------|--------------------|----------------|
| Patent Number | Title | Assignee | Date Issued | Country |
| 7,160,971 | pH-sensitive methacrylic copolymers and the production thereof | Iowa State University Research Foundation | 9-Jan-07 | United States |

