

PATENTS

Recent patent applications in genomics

Patent #	Subject	Assignee	Author	Date	Status*
EP 812916A	DNA encoding human cathepsin K—useful for diagnosing and treating diseases associated with cathepsin K, e.g., osteoporosis, bone degradation, metastatic tumors, etc.	Human Genome Sciences (Rockville, MD); The Institute of Genomic Research (Rockville, MD); Smithkline Beecham (Philadelphia, PA)	Adams MD; Blake JA; Debouck CM; Drake FH; Fitzgerald LM; Fraser CM; Gowen M; Hastings GA; Kirkness EF; Lee NH; Rood J; Drake F	12/17/97	A
US 5691176	Cell line having a recombinant adeno-associated virus; comprises genomic AAV rep and cap genes and AAV/Epstein Barr virus vector.	Applied Immune Sciences (Santa Clara, CA)	Lebkowski JS; Mcnally MA; Okarma TB	11/25/97	A
WO 9743403	Cloning DNA into baculovirus which has a null mutation in essential gene; requires a cell containing rescue DNA providing the missing gene, used to express foreign proteins, for pest control, as vaccines, etc.	Boyce Thompson Inst. (Ithaca, NY)	Blissard GA; Monsma SA	11/20/97	A
JP 9271383	Recombinant virus used as vaccine; comprises different exotic gene recombined to region nonessential to growth of chimera virus formed by genomic DNA.	Japanese Geon Co. Ltd.		10/21/97	A
US 5677143	DNA encoding human immunodeficiency virus binding protein TRP-185—useful to produce antibodies to diagnose or study epidemiology of acquired immunodeficiency syndrome.	Univ. of Texas System	Gaynor RB; Wu FK	10/14/97	A
WO 9735033	Nucleotide sequencing with ordered arrays of linear primers—useful to determine genetic variations associated with a disease, e.g., cystic fibrosis.	Molecular Tool Inc. (Baltimore, MD)	Boyce-Jacino M T; Goelert P; Rogers Y	09/25/97	A
US 5670321	Sequencing of large DNA fragments by transposon-mediated sequencing of smaller subclones.	Mercator Genetics (Menlo Park, CA)	Ellis M; Kimmel BE; Ruddy D	09/23/97	A
US 5670353	Expression of structural genes in plants using a subgenomic promoter and an activating domain of a positive-strand plant RNA virus.	Mycogen Plant Science (San Diego, CA)	Ahluquist PG; French RC	09/23/97	A
US 5695977	Genomic integration of DNA by site directed recombination—using construct containing recombination region homologous to consensus defined flanking region of short interspersed repeated DNA element.	Genetic Info. Res. Inst.	Jurka JW	09/12/97	A
WO 9732993	New nucleic acid encoding human chemotactic cytokine III—used for treatment of e.g. tumors, infections, autoimmune diseases, etc.	Human Genome Sciences (Rockville, MD)	Gentz RL; Ni J; Yu G	09/12/97	A
WO 9732043	Identification of <i>E. coli</i> serotype 0157H7 by detection of specific DNA sequences—used for analysis of foods, clinical samples, medical products, etc.	El Du Pont De Nemours & Co. (Wilmington, DE)	Jensen MA	09/04/97	A
WO 9732028	DNA containing a plant proto-porphyrinogen oxidase gene promoter—optionally linked to a heterologous gene, especially to express herbicide-resistant enzymes, and plants containing such constructs.	Novartis (Basel, Switzerland)	Johnson MA; Volrath SL; Ward ER	09/04/97	A
WO 9731098	Polypeptide encoding chemokine $\beta 4$ and monocyte chemotactic protein 4—useful to treat tumors, autoimmune disease, infection, asthma and fibrosis.	Human Genome Sciences (Rockville, MD)	Adams M; Alderson R; Applebaum E; Li H; Li Y; Lima SH; Parmelee D; White J	08/28/97	A
WO 9731012	New oligonucleotide primers amplifying gene regions conserved among mammals—useful for developing genomic maps, isolating clones and making cross-species comparisons.	Univ. Michigan; Michigan State Univ.	Brewer GJ; Venta PJ; Yuzbasiyan-Gurkan V	08/28/97	A
WO 9730581	Induction or facilitation of male-sterility in plants by targeting genomic region corresponding to the MS5 locus or JAG18 gene of <i>Arabidopsis thaliana</i> .	Gene Shears Pty Ltd (North Ryde, NSW, Australia)	Chaudhury AM; Craig S; Dennis ES; Glover JA; Grelon M; Dennis E	08/28/97	A
WO 9730346	Separation and identification of fragments of genomic DNA by electrophoresis using porosity gradient coupled to gradient of chemical/thermal denaturant.	Gelfi C; Righetti PG	Gelfi C; Righetti PG	08/21/97	A
WO 9729193	Preparing nucleic acid encoding polyphenol oxidase by genomic DNA amplification; useful to control browning reactions in fruit and vegetables.	Commonwealth Sci. & Ind. Res. Org. (Australia)	Robinson SP	08/14/97	A
FR 2743367	Nucleic acid hybridizing specifically with genomic sequence of <i>Staphylococcus pasteurii</i> and derived primers and probes, for diagnostic detection and epidemiological studies.	Brun Y; Etienne J; Vandenesch F	Brun Y; Etienne J; Vandenesch F	07/11/97	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).