



## Recent patents in bioinformatics

Patent #	Subject	Assignee	Author	Priority application date	Publication date
WO 200126799	A chip for conducting large biosample assays in parallel; includes a system of channels with interconnecting capillaries that permits a liquid reagent to flow serially through the capillaries of a plate.	Bio-Informatics Group (Apex, NC)	Liu BH	10/8/1999	4/19/2001
US 6218169	Nucleic acid fragments from plants that are useful in developing plant lines with a desired phenotype, particularly for creating transgenic plants with altered levels of aromatic amino acid catabolism enzymes; also useful as probes for genetically or physically mapping genes, and as markers for traits linked to those genes.	E.I. DuPont de Nemours & Co. (Wilmington, DE)	Cahoon RE, Falco SC	7/31/1998	4/17/2001
WO 200125270	Nucleic acids encoding apoptosis-inducing factors in plants and seeds; useful for isolating cDNAs and genes encoding homologous proteins from the same or other plant species, and in plant breeding approaches for developing lines with desired phenotypes.	E.I. DuPont de Nemours & Co. (Wilmington, DE)	Cahoon RE, Mazithulela G	10/1/1999	4/12/2001
WO 200120535	A biological data-searching and display system that comprises displaying graphical representations of modules selected from a listing obtained by searching a catalog using a probe sequence. The method allows users to directly use the data returned by one or more queries as the basis for making additional queries.	EraGen Biosciences (Madison, WI)	Benner SA, Chamberlin S, Knecht L	9/14/1999	3/22/2001
WO 200077732	A method for solving NP-complete problems (e.g., clause form Boolean formula) using characteristics of single-stranded DNA molecules when forming secondary structures; comprises sequencing DNA molecules with different base sequences, performing an automatic algorithm by mixing the DNA molecules to cause hybridization, and separating the products corresponding to the problem solution from those not corresponding to the solution.	Sentan Kagaku Gijutsu Incubation Center; Center for Advanced S&T Incubation (Japan)	Hagiya M, Sakamoto K	6/11/1999	12/21/2000
WO 200066773	Detection of a cytochrome <i>b</i> mutation that leads to resistance to fungicides such as strobilurin analogs or compounds, using a single nucleotide polymorphism (SNP) detection technique. The method may be used in homology searching, haplotyping, genotyping, or any other bioinformatic analysis, and the polynucleotide sequences are useful as components in databases for sequence identity and other search analysis.	Zeneca (London)	Gibson NJ, Heaney SP, Little S, Renwick A, Stanger CP, Theaker J, Whitcombe DM, Windass JD	3/31/2000	11/9/2000
WO 200057350	An organizing method for a series of sibling entities using a roll-up matrix; useful for producing candidate parent entities with given child entities in software parsers and data dictionaries. Used in systems for automated reading, validation, and interpretation of hand print, machine print, and electronic data streams; for optical character recognition systems and digital image processing systems used in automatic forms processing; and in bioinformatics systems for analyzing gene sequencing information.	RAF Technology (Redmond, WA)	Billester SEM, Ross DJ, Smith BR	3/19/1999	9/28/2000
WO 200043776	A system for experimentally determining the three-dimensional structures of a protein using a database of structural and sequence information. The homology models produced are useful in target selection and drug design, and linking the database with screening and small-molecule data will enable continuous interaction among experiments identifying gene sequences, protein structures, and chemical libraries.	Columbia University (New York)	Hendrickson WA, Honig B	1/22/1999	7/27/2000
WO 200014273	Determining differential display of gene expression; useful for monitoring drug responses at the gene expression level and locating genes involved in a particular response, by comparisons between mono-length cRNA libraries.	SignalGene (Montreal, PQ, Canada)	Belouchi AM, Fournier H, Gauvreau D, Gee M	9/3/1998	3/16/2000

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