

Recent patent applications in proteomics

Patent #	Subject	Assignee	Inventor(s)	Priority application date	Publication date
WO 200389931	A waveguide for a bio-chip that has a flat carrier material with a number of distributed surface pores, as passages from one surface to the other side; useful for identifying biochemical bonding reactions and studying enzyme reactions, nucleic acid hybridizing, protein-protein interactions, and other genomic and proteomic research.	Infineon Technologies (Munich, Germany)	Dertinger S, Fritz M, Fuchs K, Haneder T, Hanke H, Maerz R, Martin A	4/19/2002	10/30/2003
WO 200389650	A nucleic acid sensor molecule comprising an enzymatic nucleic acid component and a separate effector component; useful in diagnostics, nucleic acid circuits, nucleic acid computers, target validation and discovery, drug optimization, single nucleotide polymorphism detection and scoring, and proteome scoring.	Ribozyme Pharmaceuticals (Boulder, CO, USA)	Blatt L, Chowrira B, Haeberli P, Jadhav V, Kossen K, McSwiggen J, Seiwert S, Usman N, Vaish N, Zinnen S	11/1/2002	10/30/2003
WO 200385114	A method for designing synthetic genes for optimal protein expression in a host cell, comprising harmonizing synonymous codon usage frequency between the foreign DNA and the host cell DNA; may be used for producing of large amounts of protein or for producing reagents in drug discovery and proteomic research.	Walter Reed Army Institute of Research (Silver Spring, MD, USA)	Angov E, Kincaid RL, Lyon JA	11/12/2002	10/16/2003
US 20030190653	An isolated nucleic acid molecule encoding the K11 polypeptide comprising two defined sequences of 802 amino acids; useful for treating stroke, epilepsy and neurodegenerative disorders, mapping functional regions of the encoded protein, and studying associated pathological pathways.	Gonzalez-Zulueta M; Shamloo M; Wieloch T	Gonzalez-Zulueta M, Shamloo M, Wieloch T	1/10/2003	10/9/2003
WO 200383481	Luminescent silica gel particles comprising luminescent molecules in a transparent silica matrix; useful for the analysis and diagnosis of nucleic acids, proteins, antibodies, cells or their receptors, or biotinylated biomolecules in standard immunoassays, proteome analysis or fluorescence-activated cell sorting.	Mueller-Schulte D; Mueller-Schulte DP	Mueller-Schulte D, Mueller-Schulte DP	3/30/2002	10/9/2003
WO 200372014	A minicell that includes a eukaryotic, archaeobacterial or organellar membrane protein; useful for delivering therapeutic or diagnostic agents, in drug screening and for protein production.	Sabbadini RA; Surber MW; Mpex Bioscience (San Diego, CA, USA)	Sabbadini RA, Surber MW, Berkley N, Gerhart W, Giacalone M, Klepper R, Segall A, Surber M	5/24/2002	9/4/2003
US 6596545	A multi-channel sample detection device for use in drug development, functional proteomics, clinical diagnostics and parallel screening of families of related proteins.	Zyomyx (Hayward, California, USA)	Ault-Riche D, Itin C, Nock S, Wagner P	7/14/1999	7/22/2003
JP 2003174898	A method of searching for intracellular antiviral factors by analyzing the proteome and/or transcriptome of a cell, which survives by the cell showing resistance to viral infection.	Japan Science and Technology Agency (Kawaguchi City, Japan)	–	8/20/2001	6/24/2003
US 20030100000	A method for isolating codons by contacting amino acid degradation products with a substrate attached to a codon, allowing specific complexation of products to the substrate, contacting the complex with a capture material, and releasing attached codons; useful for producing oligo/polynucleotides for drug discovery, proteomics, structural/functional research, etc.	Martin MT	Martin MT	11/14/2001	5/29/2003
US 20030044864	A method for identifying proteins by differential labeling of peptides, comprising fragmenting a polypeptide, contacting reagents with peptide fragments, and inputting a generated sequence into a computer program.	Diversa (San Diego, CA, USA)	Latterich M, Levin M, Short JM, Wei J	7/22/2002	3/6/2003

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).

