

Recent patent applications in proteomics

Patent number	Description	Assignee	Inventor	Priority application date	Publication date
US 20100155243	A method for separating a sample, involving introducing the sample into a microchannel formed in a module and separating the sample into sub-samples according to isoelectric point and into protein components based on electrophoresis; useful in, e.g., proteomics.	Baraniuk JN, Schneider TW	Baraniuk JN, Schneider TW	2/26/2003	6/24/2010
US 20100129842	Proteomic analysis of polypeptides for biomarker analysis, involving reacting two polypeptide samples, each having reactive analytes, with different labeling reagents of a set of labeling reagents, mixing, digesting with enzyme and performing mass analysis.	Life Technologies (Carlsbad, CA, USA)	Coull JM, Pappin DJC, Purkayastha S	1/5/2004	5/27/2010
WO 2010052510	A method of diagnosing S-adenyl-L-homocysteine hydrolase deficiency involving determining qualitative-quantitative blood plasma proteomic profile and diagnosing S-adenyl-L-homocysteine hydrolase deficiency based on data obtained by the subject method.	Rudjer Boskovic Institute (Zagreb, Croatia)	Cindric M, Hock K, Kraljevic Pavelic S, Sedic M	11/5/2008	5/14/2010
CN 101696238	The total protein extract of a plant, and a method for its preparation, comprising phenol and the reducing agents mercaptoethanol or dithiothreitol; used for proteomics research on plant tissue samples.	Guangdong Academy of Agricultural Sciences Crop Research Institute (Guangdong, China)	Chen X, Liang X, Zhang E	10/27/2009	4/21/2010
JP 2010078455	A method for isolating a peptide, e.g., disease marker protein, from blood, involving performing multidimensional column chromatography using an amphoteric ion column to isolate the peptide and performing protein mass spectrometry.	Japan Science and Technology Agency (Saitama, Japan)	Asajima M, Fukuda H, Into A, Kurisaki A	9/26/2008	4/8/2010
WO 2010035129	An apparatus for separating constituents of a complex protein mixture for proteomic analysis, comprising the separation of elements having chemical-physical features such that they can capture proteins belonging to the determined homogeneous group by adsorption.	National Research Council (Rome)	Boccardi C, Citti L, Mercatanti A, Parodi O, Rocchiccioli S	9/29/2008	4/1/2010
WO 2010026742	A liquid chromatograph for proteomic analysis that injects a sample solution into an injection valve through an injection port that is arranged in the flow path of the injection valve.	GL Sciences (Tokyo)	Uzu H, Zhou X	9/2/2008	3/11/2010
WO 2010011860	A method for determining if a subject of interest has pre-diabetes or diabetes or is at risk for developing pre-diabetes or diabetes, or for monitoring the efficacy of a therapy, comprising comparing a proteomic profile of a test sample with a reference sample.	Diabetomics (Beaverton, OR, USA)	Nagalla SR, Paturi VR, Roberts CT	7/23/2008	1/28/2010
WO 2010010108	A new cell with no or low endogenous dihydrofolate reductase (DHFR) levels comprising at least two heterologous vector constructs; useful as a model cell for production cell proteomics and for manufacturing proteins.	Boehringer Ingelheim Pharma (Ingelheim, Germany)	Becker E, Florin L, Kaufmann H, Studts JM	7/23/2008	1/28/2010
US 7653493	A system for automatic mass spectroscopy analysis of a group of proteomic samples, e.g., peptides, comprising a unit for detecting ions, ion data processing units to receive the ion data and a material characterization processor.	Stanford University (Palo Alto, CA, USA)	Brown M, Chungfat N, Dutta S, Mathewson S, Wang EW	2/24/2006	1/26/2010
JP 2010014689	A method for the determination of melanoma, involving detecting or quantifying a melanoma marker gene, e.g., serum amyloid A2 gene, or melanoma marker protein, e.g., serum amyloid A2 protein, in a biological sample extracted from a human.	Shizuoka Ken	Akiyama Y, Takigawa M	6/6/2008	1/21/2010

Source: Thomson Scientific Search Service. The status of each application is slightly different from country to country. For further details, contact Thomson Scientific, 1800 Diagonal Road, Suite 250, Alexandria, Virginia 22314, USA. Tel: 1 (800) 337-9368 (<http://www.thomson.com/scientific>).

