

Recent patent applications in molecular diagnostics

Patent #	Subject	Assignee(s)	Inventor(s)	Priority application date	Publication date
WO 200659268	A transfer function calibration method for magnetic sensors, involving calculating transfer function from electrical input and output signals activated to generate a magnetic field and measured as a response to the electrical input signal; useful in biochips for molecular diagnostics, biological sample analysis or chemical sample analysis.	Konink Philips Electronics (Eindhoven, The Netherlands)	de Boer BM, Kahlman JAHM	11/13/2004	6/8/2006
US 20060110725	An apparatus for the nucleic acid purification of cells or viruses, comprising a vibrator for mixing samples, magnetic beads and a silica bead in a cell lysis capillary, on which a laser beam is irradiated by a laser generator. A magnetic force generator fixes the magnetic beads to the capillary wall, and an elution chamber elutes nucleic acid from the silica bead; useful for molecular diagnostics, pathogen identification and quantification.	Samsung Electronics (Seoul), Cho YJ, Kim Y, Kwon Y, Lee J, Lee M, Yoo S	Cho YJ, Kim Y, Kwon Y, Lee J, Lee MLXA, Yoo SS, Cho Y, Lee M, Yoo S	11/25/2004	5/25/2006
WO 200653136	A method of obtaining liquid samples for analyzing biological fluid specimens, involving passing liquid through a discharge passage so that a sample with restricted-sized particulate matter is passed to a receptacle; useful in cytology or molecular diagnostics protocols, or nonbiological specimens such as drinking water containing impurities.	MonoGen (Vernon Hills, IL, USA)	Mayer WJ, Pressman NJ	11/10/2004	5/18/2006
GB 2419594	A method for stabilizing or isolating nucleic acids in a biological sample, comprising contacting the biological sample with a stabilizing or isolating composition comprising amino surfactants.	Industrial Technology Research Institute (Hsinchu, Taiwan)	Huang T, Lin S	12/23/2004	5/3/2006
US 20060079648	A molecularly imprinted conjugated polymer used, for example, in a sensor comprising a chemosensor or biosensor, or an electronic device comprising a conjugated polymer backbone, and molecularly imprinted polymer(s) grafted on a conjugated polymer backbone; the sensor is useful in molecular diagnostics and biological or chemical sample analysis.	IMEC (Leuven, Belgium), Hasselt University (Hasselt, Belgium), Lutsen L, Vanderzande D	Lutsen L, Vanderzande D	10/13/2004	4/13/2006
WO 200638149	A method for detecting occupied binding sites for the detection of proteins, comprising classifying a candidate as a detected occupied binding site if it shows a predetermined response behavior in repeated scanning; useful in clinical and point-of-care diagnostics, biosensors, DNA and protein arrays for the detection of proteins or gene sequences, cell analysis, etc.	Konink Philips Electronics (Eindhoven, The Netherlands)	Balistreri M, Stapert H, Wimberger-Friedl R	10/1/2004	4/13/2006
US 20060079003	A flow cell system for the detection of analyte levels in blood samples, comprising a housing, a flow channel sized to move liquid by noncapillary action, a fluid moving source, matrix coupled to distal end of the flow channel and a monitoring device.	Case R, Castanon S, Witty TR	Case R, Castanon S, Witty TR	10/12/2004	4/13/2006
WO 2005121963	A sample processing cartridge that includes a compartment array comprised of segments; adjacent segments are aligned along the longitudinal axis of a row, and are separated by a permanent seal to form two tracks; useful for testing single or multiple samples for multiple target agents in cellular assays and molecular diagnosis.	IQuum (Allston, MA, USA)	Chen L, Chen S, Lemieux B	6/7/2004	12/22/2005
WO 2005118875	A method for diagnosing or predicting the course of breast cancer, comprising measuring the expression of a combination of tissue-specific gene(s) and nontissue-specific gene(s) in a cell or tissue sample.	Veridex (Warren, NJ, USA)	Atkins D, Backus J, Belly R, Rosen S, White R	6/4/2004	12/15/2005
WO 2005116661	A sensor device for detecting the presence of magnetic particles in a fluid, gas or solid environment, with an exclusion zone provided to exclude the presence of a magnetic particle in the vicinity of the magnetic sensor element.	Konink Philips Electronics (Eindhoven, The Netherlands)	Kahlman JAHM, Prins MWJ	5/24/2004	12/8/2005
DE 102005004768	An anatomic and molecular diagnostic imager for insertion in a body cavity; has a flexible magnetic resonance imaging coil in a rigid shell with an ultrasonic molecular imager fitted to its end and pivoted to move freely.	Siemens (Munich)	Durr W, Gareus R, Hengerer A, von Rückmann B	1/27/2005	10/27/2005

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