

## PATENTS

## Recent patents in electrophoresis

Patent #	Subject	Assignee	Author	Date	Status
EP 936464	A gel electrophoresis container comprising a primary container made of ultraviolet light-transmitting material with a bottom for supporting an electrophoresis gel, perimeter side walls extending from the bottom, and a removable top sheet attached to the perimeter side walls. A UV light-transmitting gel is contained within the primary container, and UV light analysis can be carried out on the gel without removing the gel from the apparatus.	Mallinckrodt Inc. (Hazelwood, MO)	Bouis PA, Hsu CS, Magee SC	8/18/1999	A2
WO 9939204	A method of preparing a liquid sample for fractionation by contacting the sample with an affinity reagent for an abundant macromolecule using a high-affinity binding pair system and a collapsible affinity matrix. Permits the full potential of high-resolution 2D electrophoresis to be attained.	NovaDx Intl. (San Diego, CA)	Stevens AC	8/5/1999	A1
WO 9939193	A rotary confocal scanner for the detection of capillary arrays; useful for circular scanning and detecting of electrophoretic separations performed on planar capillary arrays.	Regents of the Univ. California (Oakland, CA)	Matheis RA, Scherer JR, Wexler D	8/5/1999	A1
WO 9939192	A multiple capillary electrophoresis apparatus for the separation and identification of DNA molecules.	Centre Natl. Rech. Sci. (Paris)	Bottani S, Rebscher H, Siebert R, Valentin L	8/5/1999	A1
WO 9938874	Electrophoretic purification of nucleic acid samples comprising two steps to reduce the concentration of contaminants relative to the concentration of nucleic acid; especially useful preceding enzyme treatment, as in Sanger-type sequencing, oligonucleotide ligation assays, and PCR.	Perkin-Elmer (Norwalk, CT)	Chiesa C, Drouin G, Efcavitch JW, Mayer P, O'Neill R, Rousseau J, Ruhfel R, Slater G, Zhou HY	8/5/1999	A2
WO 9939191	A multiple, automatic, simultaneous, capillary electrophoretic analyzer for the rapid execution of complex investigations.	Max Planck Institute (Germany)	Behr S, Eickhoff H, Heller C	8/5/1999	A1
WO 9938005	A capillary electrophoresis array with adjacent capillary tubes having a registration assembly at each end; useful for separating biological materials such as proteins and nucleic acids, and for nucleic acid sequencing.	Minnesota Mining & Mfg. Co (St. Paul, MN)	Haddad LC, Lee NA	7/29/1999	A1
US 5925229	A segmented electrophoretic gradient gel for the separation and quantitation of lipoprotein subfractions; allows large numbers of plasma samples to be routinely analyzed for low-density lipoprotein (LDL) subspecies by electrophoretic equipment and computer software.	Regents of the Univ. California (Oakland, CA)	Blanche PJ, Krauss RM, Orr J	7/20/1999	A
JP 11190723	An electrophoresis apparatus in which the gel is surrounded by electrically conductive liquid that enables electrophoresis between the upper and lower tanks; electrophoresis can be performed without a rise in gel temperature, preventing the ring phenomenon and smearing, and increasing reproducibility.	Taitech KK (Japan)	—	7/13/1999	A
JP 11183437	An electrophoresis chip for electrophoresis apparatus used in the analysis of proteins and nucleic acids. It has a detector arranged near a capillary in a glass substrate to detect optical AC power; enables high-speed and high-resolution analysis of ultraflow sample volumes.	Shimadzu Corp. (Kyoto, Japan)	—	7/9/1999	A
WO 9934203	Capillary electrophoresis to detect target-binding ligands and to determine their relative affinities using optimized electrophoresis conditions, allowing the ranking of different ligands according to their relative binding strengths to a common target.	Cetek (Marlborough, MA)	Dunayevskiy YM, Hughes DE, Waters JL	7/8/1999	A1
WO 9930145	A slotted gel electrophoresis composition useful for producing multilayer gels that can be used to separate DNA, RNA, proteins, lipids, carbohydrates, or their combinations, as well as small organic molecules such as drugs or neurotransmitters.	Mosaic Technol. (Boston, MA)	Abrams ES, Adams CP, Boles TC, Hammond PW	6/17/1999	A1

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).