

Recent patents in single-nucleotide polymorphism technology

Patent #	Subject	Assignee	Inventor(s)	Priority application date	Publication date
US 20010034028	A method for detecting relative protein expression profiles of cells and active genetic regions directly or indirectly involved in different tissue types or disease states; useful for testing diagnostic profiles for disease or other cellular states or types as well as detecting potential target sites for drug intervention and alternative gene forms.	Higginbotham JN; Link CJ; Powers BJ; Ramsey WJ; Seregina T; Shulka SA; Vahanian NN; Young WB	Higginbotham JN, Link CJ, Powers BJ, Ramsey WJ, Seregina T, Shulka SA, Vahanian NN, Young WB	3/19/2001	10/25/2001
WO 200177384	A set of oligonucleotides or peptide nucleic acid oligomers designed to detect single-nucleotide polymorphisms and cytosine methylation status in chemically pretreated genomic DNA; useful for diagnosis and cell typing.	Epigenomics (Berlin)	Berlin K, Olek A, Piepenbrock C	4/7/2000	10/18/2001
WO 200175160	A method for assigning cancer patients to one of at least four treatment groups by detecting genes that are overexpressed or deleted in cancer tissue; useful for identifying patients most likely to respond to treatment with expensive cancer adjuvant drugs targeting over-expressed genes or with synergistic combinations of adjuvant therapies.	Vysis (Downers Grove, IL)	Seelig SA	3/31/2000	10/11/2001
DE 20111754	An apparatus for detecting nucleic acid sequences that measures the change in electrical properties caused by hybridization; useful for diagnostic detection of single-nucleotide polymorphisms.	Arneth B	–	7/16/2001	10/11/2001
US 6300077	A method for identifying variations in nucleic acid by comparing numbers of target nucleic acid molecules between samples and determining if a statistically significant difference exists between the numbers; useful for identifying disease-associated diagnostic markers.	EXACT Sciences (Maynard, MA)	Lapidus SN, Shuber AP	4/4/2000	10/9/2001
WO 200173120	A method for measuring SNPs comprising a reacting specimen containing a polymorphism site with optically differentiable probes binding to the site at high affinity and also having a label attached to it, and optically measuring and analyzing the positional changes of the label at several points as the reaction proceeds.	Olympus Optical Co. Ltd. (Tokyo)	Hori K, Kanou T, Karaki S, Takamiya Y	3/27/2000	10/4/2001
WO 200171028	A method for detecting single-nucleotide polymorphisms in nucleic acids, designated Gene Amplification and Labeling in One System (GALIOS); useful in genotyping for diseases and conditions.	Evotec Analytical Systems (Hamburg)	Muck S, Reuber B, Weiner O, Zirwes R	3/24/2000	9/27/2001
WO 200170386	A carrier material comprising at least one layer, covalently bonded to a surface, which contains a statistical distribution of at least two different functional groups; useful for complex nucleic acid analysis and manipulation.	Invitak (Berlin); Poly-An (Berlin)	Bendzko P, Hillebrand T, Matuschewski H, Schedler U	3/22/2000	9/27/2001
US 6274313	A method for hybridizing a duplex-forming oligonucleotide with at least one cationic phosphoramidate internucleoside linkage to a single-stranded nucleic acid; useful for detecting single-nucleotide polymorphisms.	Pioneer Hi-Bred (Des Moines, IA); University of Iowa Res. Foundation (Iowa City, IA)	Dagle J, Weeks DL, Williams JGK	3/27/1998	8/14/2001

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