

Title (en)

METHODS, DEVICES, ARRAYS AND KITS FOR DETECTING AND ANALYZING BIOMOLECULES

Title (de)

VERFAHREN, VORRICHTUNGEN, ARRAYS UND KITS ZUM NACHWEIS UND ZUR ANALYSE VON BIOMOLEKÜLEN

Title (fr)

PROCEDES, DISPOSITIFS, RESEAUX ET KITS PERMETTANT DE DETECTER ET D'ANALYSER DES BIOMOLECULES

Publication

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Application

**EP 01989119 A 20011120**

Priority

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- US 71899000 A 20001120
- US 75357401 A 20010104
- US 28625801 P 20010425
- US 29647501 P 20010608
- US 30403101 P 20010709

Abstract (en)

[origin: WO0248674A2] The present disclosure is directed to devices, arrays, kits and methods for detecting biomolecules in a tissue section (such as a fresh or archival sample, tissue microarray, or cells harvested by an LCM procedure) or other substantially two-dimensional sample (such as an electrophoretic gel or cDNA microarray) by creating "carbon copies" of the biomolecules eluted from the sample and visualizing the biomolecules on the copies using one or more detector molecules (e.g., antibodies or DNA probes) having specific affinity for the biomolecules of interest. Specific methods are provided for identifying the pattern of biomolecules (e.g., proteins and nucleic acids) in the samples. Other specific methods are provided for the identification and analysis of proteins and other biological molecules produced by cells and/or tissue, especially human cells and/or tissue. The disclosure also provides a plurality of differentially prepared and/or processed membranes that can be used in described methods, and which permit the identification and analysis of biomolecules.

IPC 1-7

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Citation (search report)

- [A] WO 0045168 A1 20000803 - UNIV GENEVE [CH], et al
- [X] C.R.ENGLERT ET AL.: "Layered Expression Scanning", CANCER RESEARCH, vol. 60, 15 March 2000 (2000-03-15), pages 1526 - 1530, XP002156603
- See references of WO 0248674A2

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**WO 0248674 A2 20020620**; **WO 0248674 A3 20020906**; AU 2002243236 B2 20071108; AU 4323602 A 20020624; CA 2428441 A1 20020620; EP 1358314 A2 20031105; EP 1358314 A4 20080625; JP 2004518949 A 20040624

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