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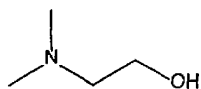
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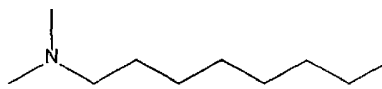
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(54) Title: LATEX BASED ADSORBENT CHIP



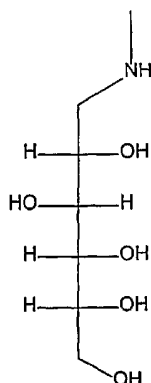
N,N - Dimethylethanolamine

SAX-L1



N,N - Dimethyloctylamine

SAX-L2



N-methylglucamine

WAX

(57) Abstract: The present invention provides an adsorbent chip, which includes three components, a substrate, an intermediate layer of linker arms and an adsorbent film, which is attached to the linker arms. The adsorbent film is made up of a plurality of adsorbent particles, each of which includes a binding functionality. The invention also provides a method of making the chips of the invention in which the substrate-intermediate film cassette is formed and the adsorbent film is subsequently immobilized thereon. When the adsorbent film is from the same preparation across a particular batch of chips, the chips provide for the acquisition of data that are highly reproducible from one chip to the next throughout the particular batch of chips. Additionally, the invention provides methods for using the chips to perform assays.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,624,711 A (SUNDBERG et al.) 29 April 1997 (29.04.1997), entire document.	1-73
Y	US 4,356,149 A (KITAJIMA et al.) 26 October 1982 (26.10.1982), entire document.	1-73
Y	US 6,413,587 B1 (HAWKER et al.) 02 July 2002 (02.07.2002), entire document.	1-73



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See patent family annex.

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