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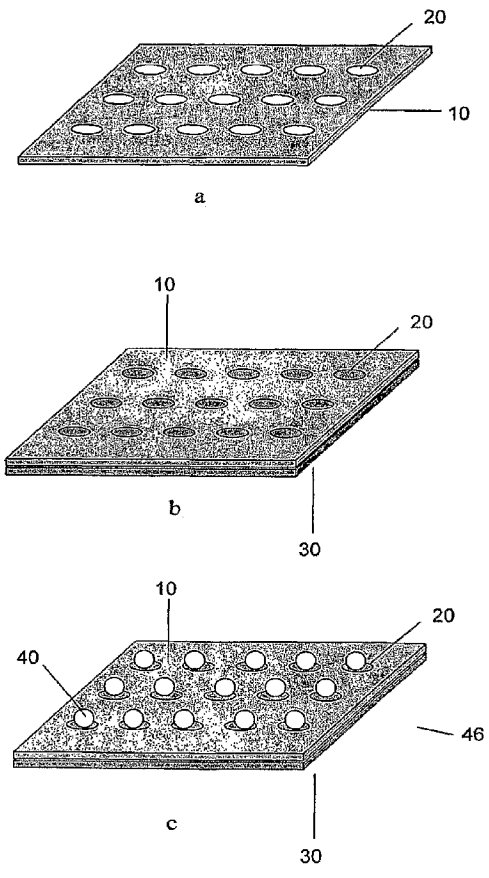
(54) Title: HIGH-THROUGHPUT CELL-BASED ASSAYS FABRICATED WITH INTEGRATED SILICON AND CELL CULTURE TECHNOLOGIES



(57) Abstract: The present invention relates to articles and methods involving porous materials (e.g., membranes) which may interact with species, such as biological molecules, cells, etc., whereby the species may adhere to or become immobilized with respect to a surface of the porous material or an adhesion layer coating the porous surface. The porous material may be capable of attaching species with control over the positioning and spatial distribution of the species across the surface of the material. Such articles and methods may be useful in, for example, biological assays, biological sensors, or in the culturing of biological cells.

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