Abstract:

Title: SYSTEMS FOR COLLECTION OF SINGLE CELLS AND COLONIES

(57) Abstract: A plate manufactured to enable samples of cells, micro-organisms, proteins, DNA, biomolecules and other biological media to be positioned at specific locations or sites on the plate for the purpose of performing addressable analyses on the samples. Preferably, some or all of the sites are built from a removable material or as pellets so that a subset of the samples of interest can be readily isolated from the plate for further processing or analysis. The plate can contain structures or chemical treatments that enhance or promote the attachment and/or function of the samples, and that promote or assist in their analyses. Use of the plate advantageously enables the selection and sorting of cells based on dynamic phenomena and the rapid establishment of stable transfectants.
A. CLASSIFICATION OF SUBJECT MATTER
IPC: C12Q 1/24(2006.01)
USPC: 435/30
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
Minimum documentation searched (classification system followed by classification symbols)
U.S.: 435/30

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)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>US 6,090,919 A (CORMACK et al) 18 July 2000 (18.07.2000), column 10, line 58 through column 11, line 15</td>
<td>111</td>
</tr>
</tbody>
</table>

Further documents are listed in the continuation of Box C. See patent family annex.

Date of the actual completion of the international search: 10 August 2008 (10.08.2008)

Date of mailing of the international search report: 21 AUG 2008

Authorized for:

[Signature]

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Form PCT/ISA/210 (second sheet) (April 2007)
Continuation of B. FIELDS SEARCHED Item 3:
EAST, STN, micro titer, micro titre, well, plate, isolatS, separatS, stable, transfectant, transformant, plated, plating, facs, serial