Title: BINARY OR POLYNARY TARGETING AND USES THEREOF

Abstract: Effector functions are provided to a desired target with improved specificity by use of two or more complementary targeting components. The targeting components assemble a functional moiety at the target. At the target, the functional moiety itself provides an effector function or binds to additional components, which provide an effector function. The effector function may be an enzymatic activity, a label or a signal. The binary or polynary targeting system may be used for analyte determination as well.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12Q 1/68; G01N 33/53, 33/543; C12P 19/34
US CL : 435/6, 7.1, 91.1; 436/518

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. : 435/6, 7.1, 91.1; 436/518

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

East/West

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

Emabse, Biosis, Sciensearch, Chem Abstracts, Medline

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>A</td>
<td>US 6,270,964 B1 (MICHICK et al) 07 August 2001 (07.08.2001), see entire document.</td>
<td>1-16</td>
</tr>
</tbody>
</table>

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:
  *A* document defining the general state of the art which is not considered to be of particular relevance
  *E* earlier application or patent published on or after the international filing date
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  *O* document referring to an oral disclosure, use, exhibition or other means
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  *A* documents member of the same patent family

Date of the actual completion of the international search

18 March 2004 (18.03.2004)

Date of mailing of the international search report

05 AUG 2004

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Form PCT/ISA/210 (second sheet) (July 1998)