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(54) Title: LIPID BINDING MOLECULES AND METHODS OF USE

(57) Abstract: The invention relates to new lipid binding molecules that include a lipid binding domain and a reporter group. The new molecules can be used, for example, to detect and visualize lipids, such as phosphatidylinositol 3-phosphate.

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/24379

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12Q 1/00, 1/02; G01N 33/53; C07K 7/00

US CL : 435/4, 7.1, 7.9, 29, 863; 530/300

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. : 435/4, 7.1, 7.9, 29, 863; 530/300

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)  
CAPLUS, BIOSIS, DERWENT, SEQUENCE SEARCH

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages                                                               | Relevant to claim No. |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| A          | US 6,596,499 B2 (JALINK) 22 July 2003.                                                                                                           | 1-47                  |
| A          | ELLSON C. et al. Phosphatidylinositol 3-Phosphate is Generated in Phagosomal Membranes. Current Biology. 2001, Vol. 11, No. 20, pages 1631-1635. | 1-47                  |

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"&" document member of the same patent family

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