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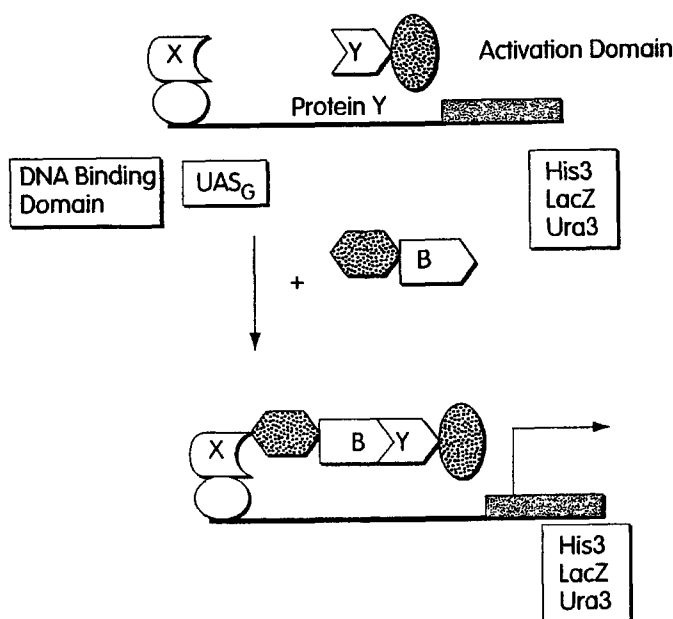
- (51) International Patent Classification⁷: C12Q 1/68, (71) Applicant (for all designated States except US): CURA-
G01N 33/542 GEN CORPORATION [US/US]; 555 Long Wharf Drive,
11th floor, New Haven, CT 06511 (US).
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Filed on 28 July 1998 (28.07.1998) KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG,
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[Continued on next page]

(54) Title: THREE-HYBRID SCREENING METHOD FOR LIGAND-PROTEIN INTERACTIONS

X = High specificity receptor for
irreversible binding of ligand (A)

Prey Hybrid



(57) Abstract: A rapid method and kit is provided for identifying the targets of biologically active small molecules to identify new drugs that are capable of specific therapeutic effects as well as to identify novel small molecules including agonists and antagonists that may bind selected targets.



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INTERNATIONAL SEARCH REPORT

International Application No

PCT/JS 99/17055

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12Q1/68 G01N33/542

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)

IPC 7 C12Q G01N

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 practical, 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.
X	WO 97 41255 A (MASSACHUSETTS INST TECHNOLOGY) 6 November 1997 (1997-11-06) examples 3-5	1-29
A	GRIFFIN, B. A. ET AL.: "Specific Covalent Labeling of Recombinant Protein Molecules Inside Live Cells" SCIENCE, vol. 281, 10 July 1998 (1998-07-10), pages 269-272, XP002116989 cited in the application the whole document	1-27



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
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"&" document member of the same patent family

Date of the actual completion of the international search

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25/10/1999

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/JS 99/17055

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	LICITRA E J ET AL: "A THREE-HYBRID SYSTEM FOR DETECTING SMALL LIGAND-PROTEIN RECEPTOR INTERACTIONS" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, vol. 93, 1 November 1996 (1996-11-01), pages 12817-12821, XP002038709 ISSN: 0027-8424	28
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