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(71) Applicant *(for all designated States except US)*: **CHIRON CORPORATION** [US/US]; 4650 Horton Street, Emeryville, CA 94608-2916 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **CHARYCH, Deborah** [US/US]; 909 Taylor Street, Albany, CA 94706 (US). **BEAUSOLEIL, Eric** [CA/US]; 110 Gardenside Drive, #402, San Francisco, CA 94131 (US). **ZUCKERMANN, Ronald, N.** [US/US]; 1116 Contra Costa Drive, El Cerrito, CA 94530 (US).

(74) Agent: **LENTINI, David**; Chiron Corporation, 4560 Horton street, Emeryville, ca 94608-2916 (US).

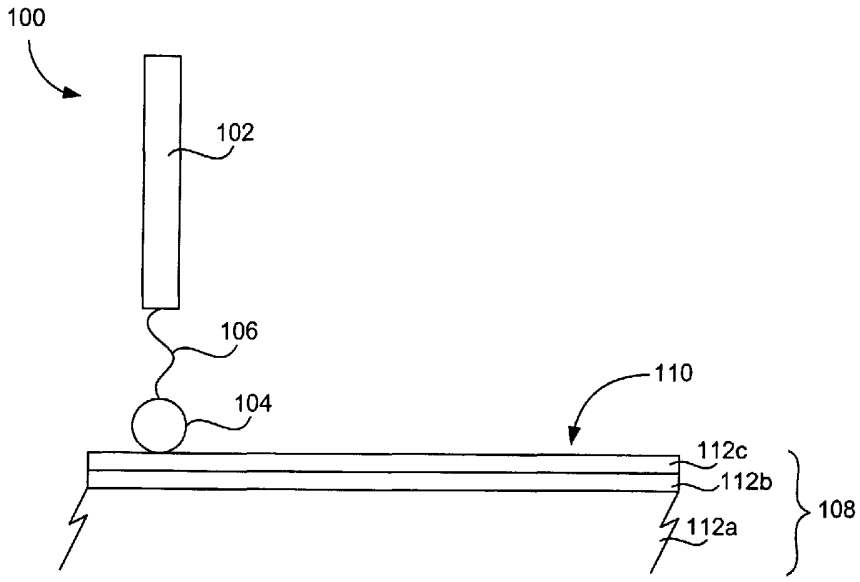
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(54) **Title:** MICROARRAYS FOR PERFORMING PROTEOMIC ANALYSES



(57) **Abstract:** Provided are peptidomimetic protein-binding arrays, their manufacture, use, and application. The protein-binding array elements of the invention include a peptidomimetic segment linked to a solid support via a stable anchor. The invention contemplates peptidomimetic array element library synthesis, distribution, and spotting of array elements onto solid planar substrates, labeling of complex protein mixtures, and the analysis of differential protein binding to the array. The invention also enables the enrichment or purification, and subsequent sequencing or structural analysis of proteins that are identified as differential by the array screen. Kits including proteomic microarrays in accordance with the present invention are also provided.

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01N33/543 G01N33/68 G01N33/553 G01N33/547 C12Q1/68
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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)
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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)
EPO-Internal, WPI Data, BIOSIS, CHEM ABS Data, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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P,X	WO 01 01142 A (CHIRON COROPRATION) 4 January 2001 (2001-01-04) the whole document --- -/--	1-7,9, 21-26, 37-40,53

[X] Further documents are listed in the continuation of box C.

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Date of the actual completion of the international search	Date of mailing of the international search report
20 August 2002	03/09/2002

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Thumb, W

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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