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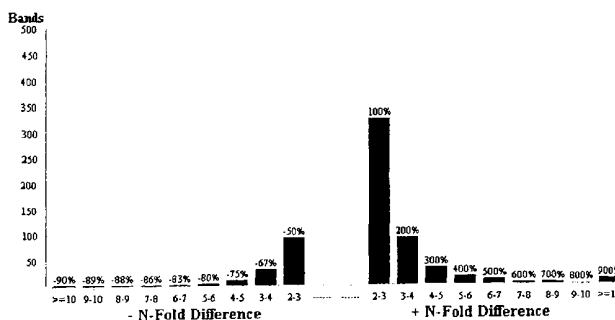
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- (71) Applicant (for all designated States except US): CURAGEN CORPORATION [US/US]; 11th floor, 555 Long Wharf Drive, New Haven, CT 06511 (US).
- (72) Inventor; and
(75) Inventor/Applicant (for US only): SHIMKETS, Richard, A. [US/US]; 191 Leete Street, West Haven, CT 06516 (US).
- (74) Agent: ELRIFI, Ivor, R.; Mintz, Levin, Cohn, Ferris, Glovsky, and Popeo, P.C., One Financial Center, Boston, MA 02111 (US).
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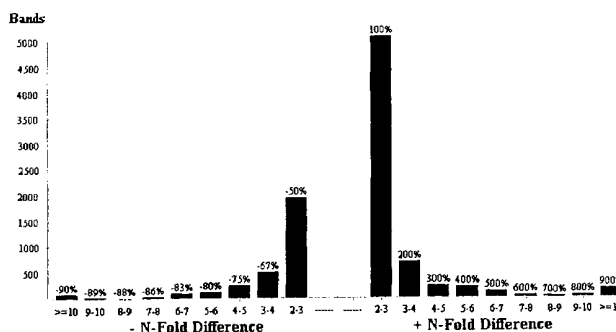
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(54) Title: TRANSCRIPTION-BASED GENE MAPPING

A9 +
HS-22
vs.
A9



A9 +
HS-1
vs.
A9



(57) Abstract: The present invention relates to methods for mapping expressed nucleic acid sequences to their chromosomal location. The invention also relate to methods for mapping gene response patterns in hybrid cells containing expressed genes located on exogenous chromosomal segments.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12Q1/68

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 C12N

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)
MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 871 697 A (DEEM MICHAEL W ET AL) 16 February 1999 (1999-02-16) cited in the application claims 1-141	1-46
Y	GYAPAY GABOR ET AL: "A radiation hybrid map of the human genome." HUMAN MOLECULAR GENETICS, vol. 5, no. 3, 1996, pages 339-346, XP002126261 ISSN: 0964-6906 cited in the application page 341, left-hand column -page 34 -/--	1-46

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
- *E* earlier document but published on or after the international filing date
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- * & * document member of the same patent family

Date of the actual completion of the international search 23 November 2001	Date of mailing of the international search report 05/12/2001
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Name and mailing address of the ISA 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	Authorized officer van Klompenburg, W
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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/40033

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>HOULGATTE ET AL.: "The genexpress index: a resource for gene discovery and the genic map of the human genome" GENOME RESEARCH, vol. 5, 1 October 1995 (1995-10-01), pages 272-304, XP002183911 page 273 -page 276 page 278 page 280 -page 281 page 284</p>	1-46
P,X	<p>SHIMKETS RICHARD A ET AL: "Gene expression analysis by transcript profiling coupled to a gene database query." NATURE BIOTECHNOLOGY, vol. 17, no. 8, August 1999 (1999-08), pages 798-803, XP002178569 ISSN: 1087-0156 cited in the application the whole document</p>	1,41,44

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 00/40033

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