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(71) Applicant: CHIPWORKS [CA/CA]; 3685 Richmond Road, Suite 500, Ottawa, Ontario K2H 5B7 (CA).

(72) Inventor: SKOLL, David, F.; 986 Eiffel Avenue, Ottawa, Ontario K2C 0J2 (CA).

(74) Agents: WOOD, Max, R. et al.; Swabey Ogilvy Renault, 1981 McGill College Avenue, Suite 1600, Montreal, Québec H3A 2Y3 (CA).

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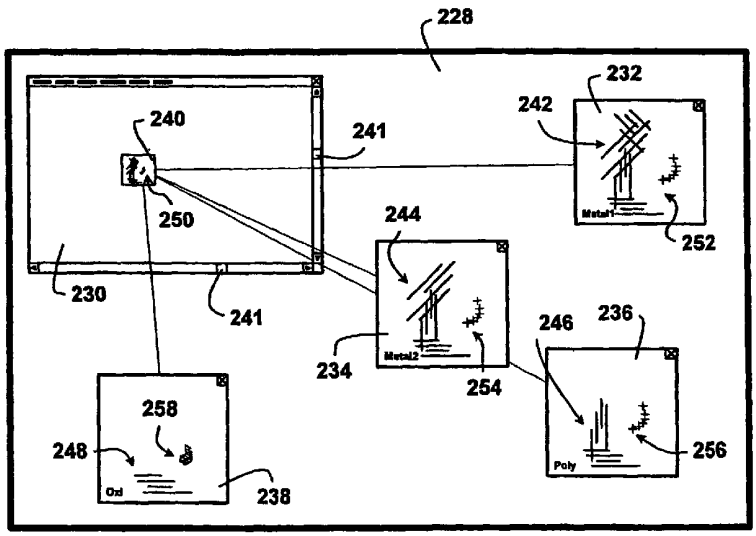
(54) Title: LOCK-STEP CURSORS FOR FEATURE ALIGNMENT



(57) Abstract: An apparatus (220) for extracting design and layout information from image-mosaics (232, 234, 236, 238) of a progressive deconstruction of a semiconductor integrated circuit (IC) includes a visual display (228), a system pointer and a plurality of lockstep cursors (252, 254, 256). The visual display displays views of an area of interest of the respective image-mosaics. Each view displays one of the lock-step cursors when appropriate, as determined by a position of the system pointer. When the system pointer is within a view, a corresponding lock-step cursor is displayed as a master-cursor (258), while other views display a lock-step cursor that has a different size and shape than the master-cursor. All lock-step cursors move in unison under the control of the master-cursor. A method for extracting design and layout information from image-mosaics uses the lock-step cursors to quickly match features across image-mosaics, and to avoid transposition errors while tracing features from one image-mosaic to another.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F3/033 G06F3/023 G06F17/50

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 G06F

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, PAJ, IBM-TDB, COMPENDEX, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FROUIN V ET AL: "A 3-D interactive editor for brain cortical sulcal anatomy labelling" COMPUTER-BASED MEDICAL SYSTEMS, 1994., PROCEEDINGS 1994 IEEE SEVENTH SYMPOSIUM ON WINSTON-SALEM, NC, USA 10-12 JUNE 1994, LOS ALAMITOS, CA, USA,IEEE COMPUT. SOC, 10 June 1994 (1994-06-10), pages 323-328, XP010099781 ISBN: 0-8186-6256-5	1,3,6,7, 22-24
A	page 325, paragraph 3.1 - paragraph 3.2; figure 2	15,17,21

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

[X] Patent family members are listed in annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
30 May 2002	05/06/2002

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	Taylor, P

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication,where appropriate, of the relevant passages	Relevant to claim No.
X	HILL D L G ET AL: "Registered High Resolution Images In The Interpretation Of Radionuclide Scans" ENGINEERING IN MEDICINE AND BIOLOGY SOCIETY, 1990., PROCEEDINGS OF THE TWELFTH ANNUAL INTERNATIONAL CONFERENCE OF THE IEEE PHILADELPHIA, PA, USA 1-4 NOV. 1990, NEW YORK, NY, USA,IEEE, US, 1 November 1990 (1990-11-01), pages 143-144, XP010035972 ISBN: 0-87942-559-8	1,3,6, 22-24
A	the whole document	15,21
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A	column 2, line 43 - line 59 column 4, line 66 -column 5, line 15 column 10, line 59 -column 11, line 24	4,5,7, 15,17
X	EP 0 401 077 A (BIOLOGICAL VISIONS) 5 December 1990 (1990-12-05)	1,3,12, 22-24
A	column 20, line 18 -column 21, line 7; figures 17-20	13-15
A	US 5 761 064 A (LA ET AL.) 2 June 1998 (1998-06-02) column 2, line 55 - line 65 column 6, line 9 -column 7, line 21; figures 1B,3	1,2,6,7, 9,15,16, 22,25
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Information on patent family members

International Application No
PCT/CA 01/00938

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