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Declaration under Rule 4.17:

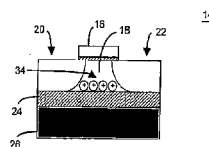
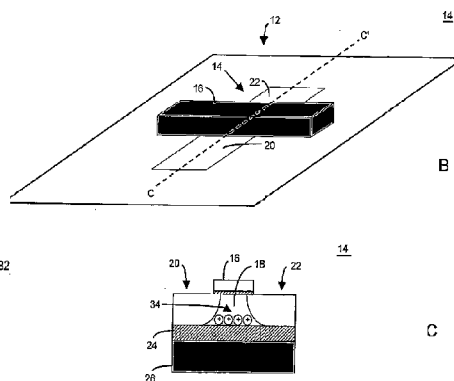
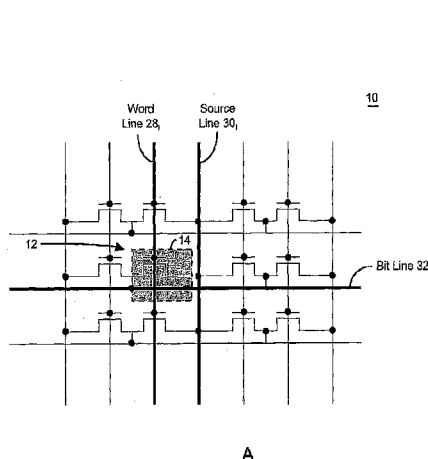
— as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

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(54) Title: MEMORY ARRAY HAVING A PROGRAMMABLE WORD LENGTH, AND METHOD OF OPERATING SAME



(57) Abstract: A memory cell array and device having a memory cell array (i.e., an integrated circuit device, for example, a logic device (such as, a microcontroller or microprocessor) or a memory device (such as, a discrete memory)) including electrically floating body transistors in which electrical charge is stored in the body of the transistor, and techniques for reading, controlling and/or operating such memory cell array and such device. The memory cell array and device include a variable and/or programmable word length. The word length relates to the selected memory cells of a selected row of memory cells (which is determined via address data). In one embodiment, the word length may be any number of memory cells of a selected row which is less than or equal to the total number of memory cells of the selected row of the memory array. In one aspect, write and/or read operations may be performed with respect to selected memory cells of a selected row of the memory array, while unselected memory cells of the selected row are undisturbed.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/07591

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G05B 99/00; G06N 7/00 (2007.10)

USPC - 700/266; 700/268; 702/27; 706/932

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)

USPC - 700/266; 700/268; 702/27; 706/932

IPC(8) - G05B 99/00; G06N 7/00 (2007.10)

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)

West DB=PGPB,USPT,USOC,EPAB,JPAB, Google, Google scholar, Yahoo, ACS.org

Search words used: synthon recursive synthesis organic generator starting material definitions reaction computer dimensional pharmaceutical structure output input caos mapos forward prediction

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2005/0177280 A1 (Almstetter et al.) 11 August 2005 (11.08.2005), para [0026], [0027], [0108]-[0112]	1
Y	Todd, "Computer-aided organic synthesis" Chem. Soc. Rev., 2005, 34, 247-266 08 February 2005 (08.02.2005), Figure 2; pg 259-264	1
Y	Koca, "A mathematical model of realistic constitutional chemistry. A synthon approach. II: The model and organic synthesis, Journal of Mathematical Chemistry, Volume 3, Number 1 / January, 1989 (01.1989), abstract	1
A	US 2003/0220716 A1 (Mydlowec et al.) 27 November 2003 (27.11.2003), entire document	1
A	Matyska et al., "A Computer Program for Organic Synthesis Design Based on Synthon Model of Organic Chemistry" J. Chem. Inf. Comput. Sci. 1991, 31, 380-386 (1991), entire document	1

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"P" document published prior to the international filing date but later than the priority date claimed

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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

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