

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
26 February 2004 (26.02.2004)

PCT

(10) International Publication Number
WO 2004/017408 A3

(51) International Patent Classification⁷: **H01L 23/544**,
23/58

(21) International Application Number:
PCT/IB2003/003033

(22) International Filing Date: 1 July 2003 (01.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
02078381.7 15 August 2002 (15.08.2002) EP

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

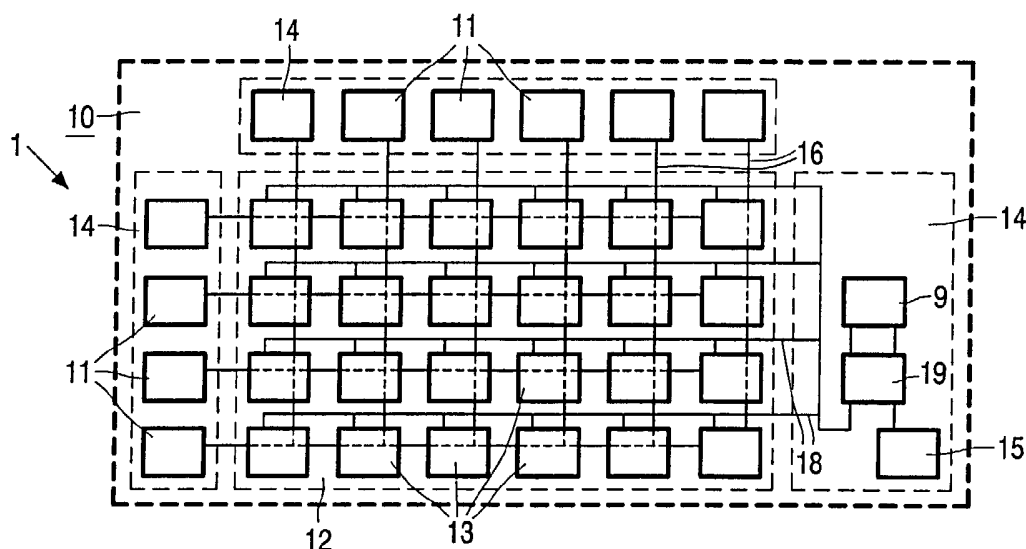
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

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[Continued on next page]

(54) Title: INTEGRATED CIRCUIT WITH ID CODE AND METHOD OF MANUFACTURING SAME



(57) Abstract: The integrated circuit (1) according to the invention comprises a set of cells (10), each of the cells (11, 13, 15, 19) comprises an electrical device (20) with a device parameter whose parameter value is a function of random parametric variations. The set of cells (10) comprises a first subset (12) of identification cells (13) with first random parametric variations, and a second subset (14) of cells (11, 15, 19), which are able to generate an identification code by measuring the random differences between the parameter values of the identification cells (13). According to the invention the cells (11, 15, 19) of the second subset (14) have second random parametric variations, which are smaller than the first random parametric variations, thereby making the generation of the identification code relatively easy.



PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

Published:

— with international search report

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:

16 September 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 03/03033

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01L23/544 H01L23/58

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 H01L

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 161 213 A (LOFSTROM KEITH) 12 December 2000 (2000-12-12) cited in the application column 4, line 40 - line 57 column 5, line 46 - line 51 column 6, line 44 - line 59 column 13, line 45 - column 14, line 28 -----	1-15
A	WO 02/45139 A (HITACHI ULSI SYS CO LTD ; HITACHI LTD (JP); MURANAKA MASAYA (JP)) 6 June 2002 (2002-06-06) the whole document -----	1-15
A	US 2002/024453 A1 (MAEDA SHIGENOBU) 28 February 2002 (2002-02-28) paragraphs '0207! - '0209!, '0217!, '0408! - '0415! paragraphs '0408! - '0414! ----- -/--	1-15

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

12 July 2004

Date of mailing of the international search report

19/07/2004

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 03/03033

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB 03/03033

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