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(54) Title: EXTENDED DRAIN MOS TRANSISTOR

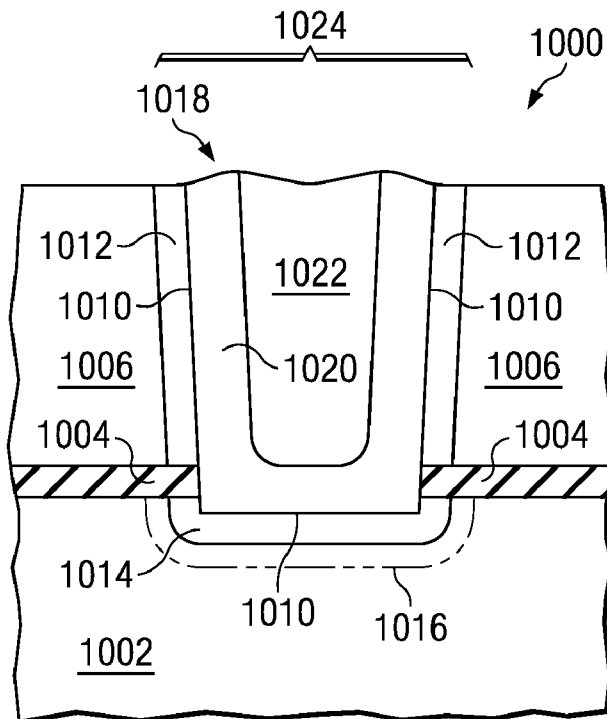


FIG. 1D

(57) Abstract: An integrated circuit (1000) is formed on an SOI substrate containing an extended drain MOS transistor with a through-substrate diode (1024) in a drain or body region coupled to the handle wafer through a p-n junction (1016), that is electrically isolated from the drain or body region.

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- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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A. CLASSIFICATION OF SUBJECT MATTER**H01L 29/78(2006.01)i, H01L 21/336(2006.01)i**

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)

H01L 29/78; H01L 21/84; H01L 27/108; H01L 29/94; H01L 29/06; H01L 21/762; H01L 21/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: extended, drain, and MOS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6352882 B1 (ASSADERAGHI; FARIBORZ et al.) 05 March 2002 See the abstract; figs. 3-5; column 3, line 6 - column 5, line 57.	1-12
A	US 2010-0163994 A1 (KURZ ANDREAS et al.) 01 July 2010 See the abstract; figs. 1-2; paragraphs [0027]-[0050].	1-12
A	US 2009-0230447 A1 (HWANG SANG MIN) 17 September 2009 See the abstract; figs. 1-2; paragraphs [0029]-[0060].	1-12

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

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"&" document member of the same patent family

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18 MAY 2012 (18.05.2012)

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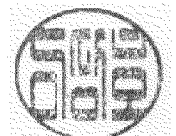
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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