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(54) **Title:** SUBSTRATE FINS WITH DIFFERENT HEIGHTS

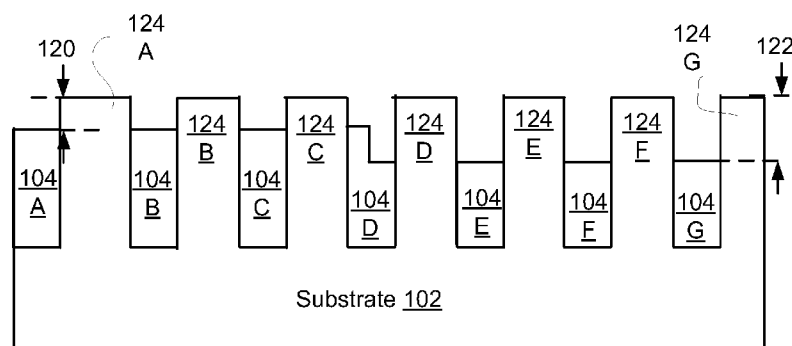


Fig. 1

(57) **Abstract:** A device includes a number of fins. Some of the fins have greater heights than other fins. This allows the selection of different drive currents and/or transistor areas.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2009/048683**A. CLASSIFICATION OF SUBJECT MATTER****H01L 21/76(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 21/76; H01L 21/8242; H01L 29/76; H01L 29/78; H01L 21/336

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

(Chinese Patents and application for patent)

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

eKOMPASS(KIPO internal) & Keywords: fin, transistor, height, STI, trench, etch, current

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2005-0215014 A1 (YOUNG-JOON AHN et al.) 29 September 2005 See the abstract; figures 1-12; and paragraphs [0015]-[0026]	1-20
A	US 2008-0128797 A1 (DYER THOMAS W. et al.) 05 June 2008 See the abstract; figures 1-3; and paragraphs [0036]-[0065]	1-20
A	US 2004-0222477 A1 (ALLER INGO et al.) 11 November 2004 See the abstract; figure 9; and paragraphs [0028]-[0038]	1-20
A	US 2006-0081895 A1 (DEOK-HYUNG LEE et al.) 20 April 2006 See the abstract; figures 11-12; and paragraphs [0056]-[0061]	1-20



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INTERNATIONAL SEARCH REPORT

Information on patent family members

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