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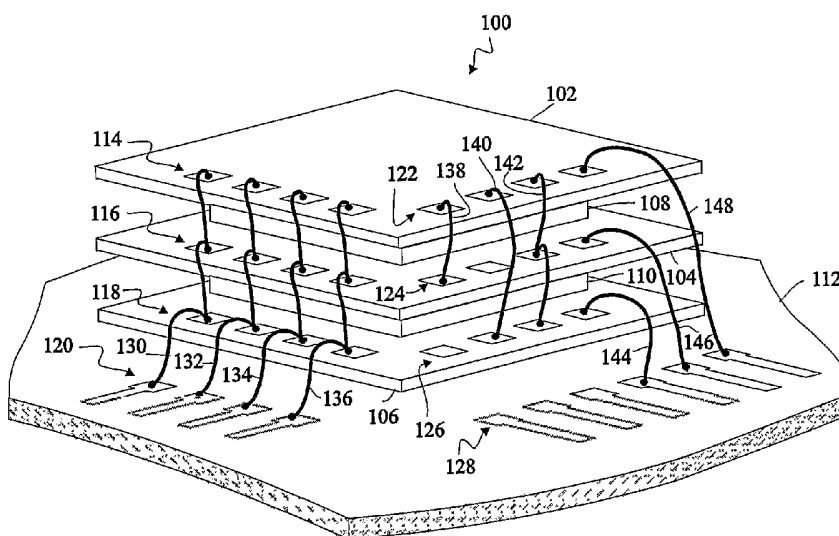
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(54) Title: STACKED DIE MODULE



(57) Abstract: Semiconductor dies (101/104/106) are stacked offset from one another so that terminals (122/124/126) located along two edges of each die are exposed. The two edges of the dies having terminals may be oriented in the same direction. Electrical connections (130/132/134) may connect terminals on one die with terminals on another die and the stack may be disposed on a wiring substrate (112) to which the terminals of the dies may be electrically connected.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/34861

## A. CLASSIFICATION OF SUBJECT MATTER

IPC: H01L 23/02( 2006.01),23/52( 2006.01),23/34( 2006.01),21/44( 2006.01)

USPC: 257/686,691,706;438/109

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)

U.S. : 257/686,691,706;438/109

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)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 5,998,864 (Khandros) 07 December 1999 (07.12.1999), column 6, lines 40-60.	1,5- 9,11,13,14,16,17,19- 25,32,39-40 and 45-46 ----- 2-4,10,12,15,18,26- 31,41-44
X --- Y	US 6,890,798 (McMahon) 10 May 2005 (10.05.2005), column 4, lines 11-20.	33 ----- 34-38
Y	US 6,627,980 (Eldridge) 30 September 2003 (30.09.2003), column 4, lines 41-57.	12
Y	US 6,492,726 (Quek et al) 10 December 2002 (10.12.2002), column 6, lines 1-15.	34-38

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family

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