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— of inventorship (Rule 4.17(iv)) for US only

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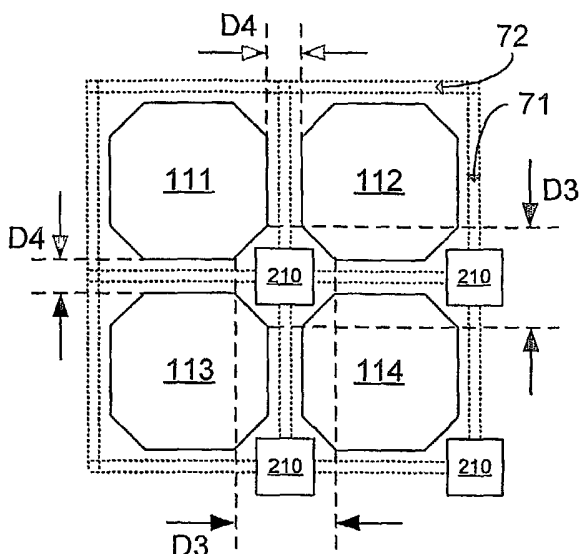
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(54) Title: SEMICONDUCTOR WAFER WITH NON-RECTANGULAR SHAPED DICE



(57) Abstract: A semiconductor wafer (10) having a plurality of dice (111-114) formed on the wafer. The plurality of dice having non-rectangular shapes with at least one notched corner. A plurality of saw streets are defined between the plurality of dice. At an intersection of two of the plurality of saw streets, a distance is defined between corners of two adjacent dice that is greater than a minimum distance between the two adjacent dice.

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/07827

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : H01L 23/544  
 US CL : 257/620

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. : 257/620; 438/460

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)  
 PLUS, EAST

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,521,513 B1 (LEBENS et al) 18 Febuary 2003 (18.02.2003), figure 2 and figure 5.	1-25
A	US 6,196,096 B1 (AKRAM et al) 06 March 2001 (06.03.2001), column 2 lines 30-54.	1-25
Y,P	US 2003/0137031 A1 (YOUNG et al) 24 July 2003 (24.07.2003), figure 2a, 2b, 7a and 7b.	1-25
Y	US 4,729,971 (COLEMAN) 08 March 1988 (08.03.1988), column 1 lines 5-55, abstract.	1-25

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		

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