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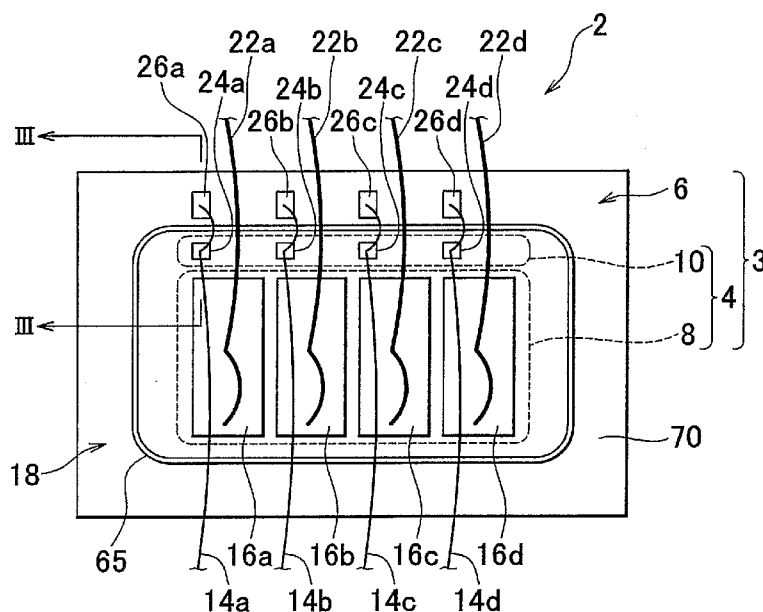
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(54) Title: SEMICONDUCTOR DEVICE AND WIRE BONDING METHOD

FIG. 1



(57) Abstract: A semiconductor device (2) includes: a (65) that is disposed on a field limiting ring (FLR) semiconductor substrate so as to divide the semiconductor substrate into an inner region and an outer region; a first bonding pad (24a to 24d) that is disposed in the inner region and is connected to an external circuit by a wire (14a to 14d) whose one end is connected to the external circuit; and a second bonding pad (26a to 26d) that is disposed in the outer region and on which the other end of the wire is bonded.



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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2004 273647 A (SANKEN ELECTRIC CO LTD) 30 September 2004 (2004-09-30) paragraphs [0033] - [0066]; figures 1,2 -----	1-10
A	JP 2005 123388 A (SONY CORP) 12 May 2005 (2005-05-12) paragraphs [0070] - [0079]; figure 6 paragraphs [0017] - [0020], [0030] - [0056] -----	1-11
A	US 2004/173820 A1 (KINOSHITA KOZO [JP] ET AL) 9 September 2004 (2004-09-09) paragraphs [0171] - [0178]; figures 18,19 -----	1-10

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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
JP 2004273647 A	30-09-2004	NONE	
JP 2005123388 A	12-05-2005	NONE	
US 2004173820 A1	09-09-2004	NONE	