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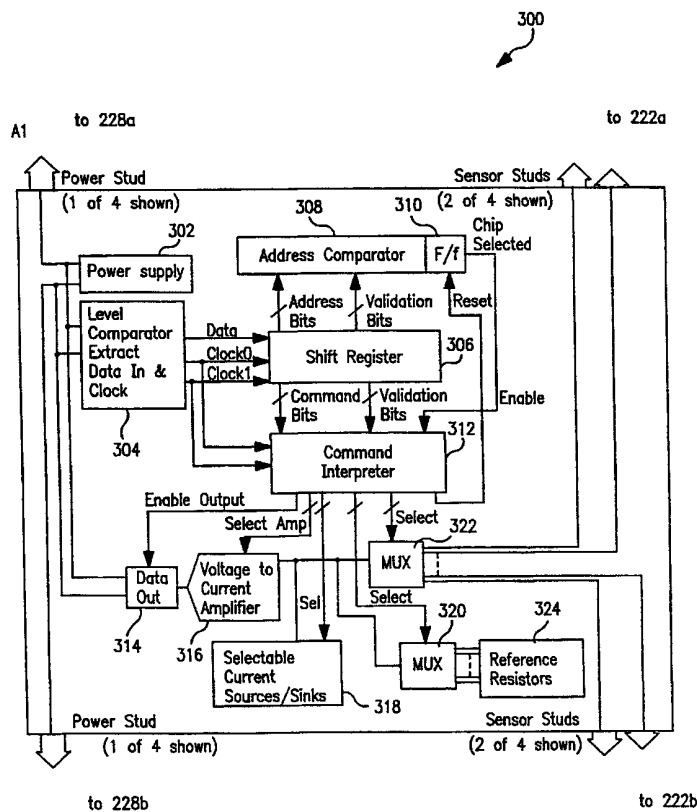
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(54) Title: A MICRO-ELECTRONIC BOND DEGRADATION SENSOR AND METHOD OF MANUFACTURE



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(57) Abstract: A micro-electronic bond degradation sensor includes a sensor substrate having sensor circuitry and a sensor stud and a power stud extending therefrom. The sensor circuitry includes a voltage-to-current amplifier having an input coupled to sensor stud and an output coupled to the power stud. The voltage-to-current amplifier is operable to convert a voltage signal occurring along the sensor stud to a current signal output along the power stud.

INTERNATIONAL SEARCH REPORT

Int. Patent Application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01N27/24

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)

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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)

WPI Data, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 245 293 A (RUNNER JACK A) 14 September 1993 (1993-09-14) abstract; figures 2,3 ---	1,8,15
A	DE 42 39 495 A (LUBER WILLIBALD) 26 May 1994 (1994-05-26) the whole document ---	1
A	DE 197 07 788 A (I M E S GES FUER INNOVATIVE ME) 2 July 1998 (1998-07-02) abstract; figure 1 ---	1
A	DE 87 06 256 U (BAYER AG) 25 June 1987 (1987-06-25) the whole document ---	1

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Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	US 5 833 820 A (DUBIN VALERY) 10 November 1998 (1998-11-10) the whole document ---	19,21, 23-25
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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