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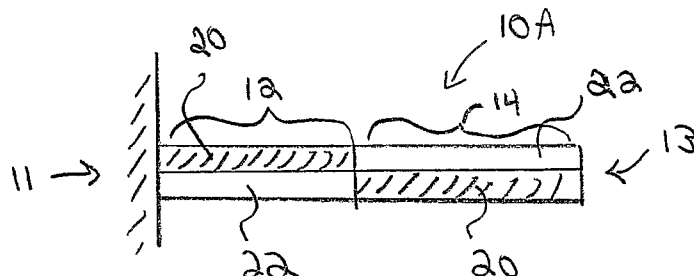
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: BI-MATERIAL CANTILEVERS WITH FLIPPED OVER MATERIAL SECTIONS AND STRUCTURES FORMED THEREFROM



(57) Abstract: A structure formed from one or more bi-material cantilevers, having a first portion and a second portion positioned end-to-end, wherein the first portion comprises a first material positioned on top of a second material, and wherein the second portion comprises the second material positioned on top of the first material.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 05/37515

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G01N 33/00 (2007.01)

USPC - 422/88

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)

USPC - 422/88

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC - 422/88 and all relevant classifications (text search, see terms below)

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

PubWEST(USPT,PGPB,EPAB,JPAB); DialogPRO(Engineering); Google Scholar
Search Terms: cantilever, sensor, deflection, thermal expansion coefficient, nitride, aluminum

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 5,870,007 A (Carr et al.) 09 February 1999 (09.02.1999), entire document especially col 4, ln 22-37, col 6, ln 15-33, 53-58; col 4, ln 8-11, 22-37, 56; Fig. 4-8	1-10, 12-22 and 24-28 ----- 11 and 23
Y	US 6,335,478 B1 (Chou et al.) 01 January 2002 (01.01.2002), col 7, ln 42-45	11 and 23

Further documents are listed in the continuation of Box C.

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"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"&" document member of the same patent family

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