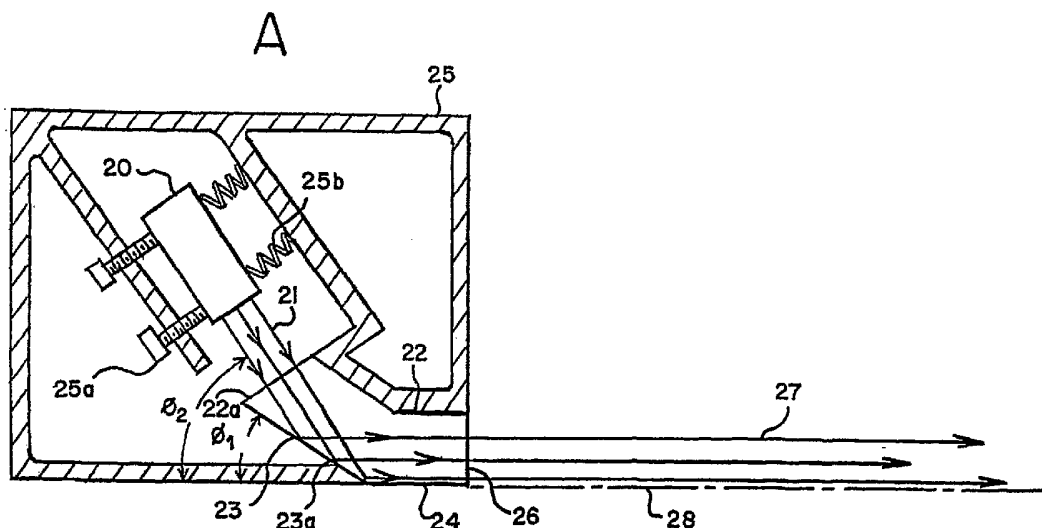




**(10) International Publication Number**  
**WO 2006/004691 A3**

*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:** LASER LINE PROJECTED ON A EDGE OF A SURFACE



**(57) Abstract:** A laser reference device includes at least one planar or flat surface and an internal laser light source for generating a laser light beam. A lens inside the device may convert the laser light into a fan-shaped beam, and project the beam adjacent the planar or flat surface of the housing. The fan-shaped beam thus projects along that surface of the housing. If the laser leveling device is placed with the flat surface on a table or floor, for example, the fan-shaped beam will be in a level plane. This allows a user to place the laser leveling device on a surface and generate a laser light to align surfaces or objects, such as objects on a wall.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/22804

## A. CLASSIFICATION OF SUBJECT MATTER

IPC: G01C 15/00( 2006.01)

USPC: 33/286;372/9

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. : 33/286; 372/9, 69

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
NONE

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

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X ---	US 6,014,211 A (MIDDLETON et al) 11 January 2000 (11.01.2000) see entire document.	1-13, 15-17, 19, 20, 22-31
Y ---		21
Y ---	US 2001/0049879 A1 (MOORE, JR) 13 December 2001 (13.12.2001) see entire document.	21
A ---		14, 18



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

12 May 2006 (12.05.2006)

Date of mailing of the international search report

31 MAY 2006

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# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US05/22804

Continuation of B. FIELDS SEARCHED Item 3:

EAST; US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM\_TDB; (laser and housing and aim\$4 and beam and mirror and (align\$4 or reference)).clm.