Abstract: An apparatus and method for measuring and marking level and plumb is providently disclosed herein. The multi-function level includes: modular ends that allow attachment of mating levels for linear extension or extension into any one of multiple different planes or axes; one or more attachment devices to secure the level to the work or installation piece; one or more adjustment devices which allow angular and/or translational adjustment of the level; one or more spacers to offset the level from a work piece; one or more skid-resistant devices; an offset device to determine a variable or preset pitch or offset; and a protective cover.
# INTERNATIONAL SEARCH REPORT

## A. CLASSIFICATION OF SUBJECT MATTER

*GOIC 9/18(2006.01)i, GOIC 9/24(2006.01)1, GOIC 9/28(2006.01)1, GOIC 15/00(2006.01)1*

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)

*GOIC 9/18; GOIC 9/28; GOIC 900; G01B 1/00; GOIC 5/00*

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

- Korean utility models and applications for utility models
- Japanese utility models and applications for utility models

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

- eKOMPASS (KIPO internal) & Keywords: moudular,retention,adjustment,spacer,slip,offset,level,indicator

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
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<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>US 05433011 A (DANE SCARBOURGH et al.) 18 July 1995 See column 3, line 30 - column 4, line 60; abstract and figures 1-10.</td>
<td>1-83</td>
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<td>A</td>
<td>US 7086166 B2 (ERIC JOHN HELDA et al.) 08 August 2006 See column 3, line 31 - column 8, line 2; abstract and figures 1-9.</td>
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<td>A</td>
<td>US 05966826 A (K0-LIANG HO) 19 October 1999 See abstract and figures 1-7.</td>
<td>1-83</td>
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</table>

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
  - "E" earlier application or patent but published on or after the international filing date
  - "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
  - "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
  - "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
  - "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
  - "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
  - "&" document member of the same patent family

Date of the actual completion of the international search: 25 JULY 2012 (25.07.2012)

Date of mailing of the international search report: 07 AUGUST 2012 (07.08.2012)

Name and mailing address of the ISA/KR

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<th>Publication date</th>
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<tr>
<td>US 0543301 A</td>
<td>18.07.1995</td>
<td>None</td>
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<td>US 05966826 A</td>
<td>19.10.1999</td>
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