Title: RETICLE PIECE HAVING LEVEL INDICATING DEVICE

Abstract: A reticle piece (10, 50, 160) for use in an optical sight includes a generally cylinder-shaped body (15, 56) having a front face (33, 64, 70, 76) and a back face (35, 66, 72, 78) opposed therefrom. The reticle piece (10, 50, 160) includes a reticle pattern (12, 52) and a level indicating device (14, 54, 182) positioned between the front face (33, 64, 70, 76) and the back face (35, 66, 72, 78) of the body. The level indicating device (14, 54, 160) includes a moveable leveling indicator (38, 102).
Published: (88) Date of publication of the international search report: 25 September 2014

— with international search report (Art. 21(3))
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))
### A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - F41 G 1/44 (2014.01)
USPC - 356/249

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)

IPC8: F41G 1/44 (2014.01)
USPC: 356/249

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

IPC8: F41G 1/00, 1/38, 3/00; G02B 27/00, 27/32 (2014.01)
USPC: 33/227, 297; 42/90, 111, 119, 122, 130; 356/247, 248

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

Patbase, Google Patent, Google Web: reticle, reticle, crosshair, tilt, level, cant, dine, incline, indicator, bubble, ball, sphere, groove, slot, channel, track, void, scope, sight, telescopic, transverse, bore, mechanical

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<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>X</td>
<td>DE 3834924 A1 (TROST) 19 April 1990 (19.04.1990) see especially figures 1-3 and machine translation</td>
<td>1-3, 15-18</td>
</tr>
<tr>
<td></td>
<td>FR 1331706 A (HENSOLDT et al) 05 July 1963 (05.07.1963) see especially figures 1-4 and machine translation</td>
<td>1-2, 4-6, 15</td>
</tr>
<tr>
<td>X</td>
<td>DE 1789724 U (HENSOLDT et al) 30 April 1959 (30.04.1959) see especially figures 1-5</td>
<td>1-2, 4, 7, 14</td>
</tr>
<tr>
<td>Y</td>
<td>US 5,223,650 A (FINN) 29 June 1993 (29.06.1993) see whole document</td>
<td>1-18</td>
</tr>
<tr>
<td>A</td>
<td>US 2,094,623 A (STOKEY) 05 October 1937 (05.10.1937) see whole document</td>
<td>1-18</td>
</tr>
<tr>
<td>A</td>
<td>US 1,955,746 A (INGLIS) 24 April 1934 (24.04.1934) see whole document</td>
<td>1-18</td>
</tr>
<tr>
<td>A</td>
<td>EP 0497301 A2 (ALBRECHT et al) 05 August 1992 (05.08.1992) see whole document and machine translation</td>
<td>1-18</td>
</tr>
</tbody>
</table>

Further documents are listed in the continuation of Box C.

* 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
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  - "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
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  - "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
  - "Z" document member of the same patent family

**Date of the actual completion of the international search**

29 May 2014 (29.05.2014)

**Date of mailing of the international search report**

11 JUL 2014

**Name and mailing address of the ISA/US**

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