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(54) Title: THERMAL DIRECTION UNIT

(57) Abstract: A device, and method for its use, which may be worn by a firefighter for detecting the source of a fire in a smoke-filled or noisy environment, the device having directional infrared sensors (109) for detecting the direction of maximum intensity of the infrared radiation in two or more directions relative to the wearer and reporting at least the direction to the wearer by a tactile indicator (103) contacting the skin of the wearer.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
   IPC(7) : G01l 5/02; G08B 6/00
   US CL : 250/330, 338.1. 342
   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. : 250/330, 338.1. 342

   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 practicable, search terms used)
   APS EAST search terms: thermal direction unit, TDU, infrared, tactile, fire, smoke firefighter

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>A</td>
<td>US 5,422,484 A (ROGI et al.) 6 June 1995 (06.06.1995), see entire document.</td>
<td>1-24</td>
</tr>
</tbody>
</table>

Further documents are listed in the continuation of Box C.

See patent family annex.

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