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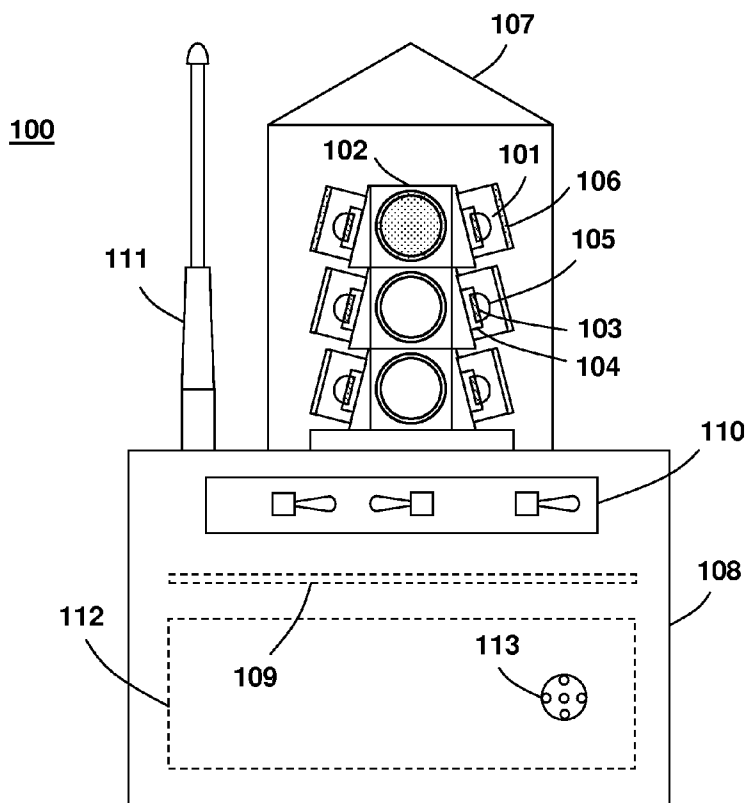
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(54) Title: LED SIGNALING APPARATUS WITH INFRARED EMISSION



(57) Abstract: An infrared signaling apparatus is disclosed, which utilizes high intensity solid state lighting elements, such as light emitting diodes (LEDs) to provide signaling for navigational as well as search/rescue applications employing night vision equipments.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - F21V 33/00 (2007.10)

USPC - 362/253

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: 362/253

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 362/253, 477 (text searched)

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

PubWEST(USPT,PGPB,EPAB,JPAB); Google Scholar

Search Terms - LED, infrared, visible, circuit, flash, battery, laser

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,804,829 A (Palmer) 08 Septemeber 1998 (08.09.1998), entire document, especially Column 3, Lines 45-50 and Column 4, Lines 10-25)	1-19
Y	US 6,902,299 B2 (Zhan et al.) 07 June 2005 (07.06.2005), entire document, especially Figure 6, Element 22, 30, and 18 and Column 3, Lines 37-44, Lines 59-65 and Column 4, Lines 30-35	1-19
Y	US 2005/0084975 A1 (Armentrout et al.) 21 April 2005 (21.04.2005), entire document, especially paragraph [0056]	7, 13, and 19



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

"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)

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"P" document published prior to the international filing date but later than the priority date claimed

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"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

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