A TRAFFIC LIGHT

Abstract: The invention provides a traffic light (1). The apparatus includes a light source (2) contained in a housing (3) and a reflector (11) to direct light at a position spaced apart from the source. The housing is planted in the ground (8), preferably cemented in the pavement. The reflector is conveniently a suitably arranged object with a reflective surface. The support (10) extends upwardly from the housing providing a conduit arranged so that the source projects light upwardly through the support to the reflective object. From here the light is directed through a lens (14) in an opening—within the support. The light source is an array of light emitting diodes (LEDs). In a preferred embodiment, three such arrangements are provided together as a traffic light assembly which switches between green, amber and red light signals in the usual way. The upright support is removably secured and relatively inexpensive. All the working components are protected in the housing. The traffic light also poses a reduced risk should a motor vehicle collide with it. A damaged support can be easily replaced using suitable fastening means.
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6 November 2008
A. CLASSIFICATION OF SUBJECT MATTER
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ADD. F21W111/00 F21Y101/02

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)
F21S F21V

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 practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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<tr>
<th>Category</th>
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<th>Relevant to claim No.</th>
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<tr>
<td>X</td>
<td>GB 951 604 A (MEINERS OPTICAL DEVICES LTD) 4 March 1964 (1964-03-04) page 2, line 108 - line 115 figure 1</td>
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<td>X</td>
<td>DE 87 01 881 U1 (LICENTIA PATENT-VERWALTUNGS-GMBH, 6000 FRANKFURT, DE) 2 April 1987 (1987-04-02) claims 1,5; figures 1,2</td>
<td>1,2,4</td>
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- Further documents are listed in the continuation of Box C.
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Date of the actual completion of the International search
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Otm PCT/ISA/210 (patent family annex) (April 2005)