Title: METHODS AND SYSTEMS FOR DETECTING A PROTECTION DEVICE OPERATION

Abstract: Systems and methods are disclosed for detecting a protection device operation. The disclosed systems and methods may include detecting a voltage across a protection device. The voltage may be produced when the protection device operates from a closed state to an opened state. Furthermore, the disclosed systems and methods may include latching, in response to the detected voltage, the indication that the protection device operated from the closed state to the opened state. Moreover, the disclosed systems and methods may include transmitting, in response to the detected voltage, an indication that the protection device operated from a closed state to an opened state.
For two-letter codes and other abbreviations, refer to the “Guidance Notes on Codes and Abbreviations” appearing at the beginning of each regular issue of the PCT Gazette.
INTERNATIONAL SEARCH REPORT

International application No. PCT/US06/43194

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G08B 21/00 (2007.01)
USPC - 340/638

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)
IPC(8) - G08B 21/00; H02H 3/08, 7/00 (2007.01)
USPC - 340/638, 639; 361/64, 66, 93.1, 115

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)
USPTO EAST System (US, USPG-PUB, USOCR), MicroPatent, IP.com, DialogPro, IEEE Xplore, Google Patents

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>US 4,691,197 A (DAMIANO et al) 01 September 1987 (01.09.1987) entire document</td>
<td>1, 3-6, 8, 11:1 4</td>
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<tr>
<td>X</td>
<td>US Re.36,317 E (ARRATIA) 28 September 1999 (28.09.1999) entire document</td>
<td>1, 7</td>
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Further documents are listed in the continuation of Box C.

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* Special categories of cited documents:
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Date of the actual completion of the international search
29 March 2007

Date of mailing of the international search report
10 AUG 2007

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