Title: SYSTEM AND METHOD FOR DETECTION MULTIPLE CURRENT LIMITS

Abstract: Devices, such as mobile devices, may be exposed to short circuit and output overload events. To protect against such events, mobile devices typically include current limit circuits. Some current limit circuits may involve user programmable function. User programmable function may need accurate current limit detectors. Various embodiments of the present invention include devices and methods for detecting one or more programmed current limits. Some embodiments allow for a user application to select among parallel or serial configurations of current detection circuitry. Each such configuration may include multiple resistive devices of different resistive values.
INTERNATIONAL SEARCH REPORT

INTERNATIONAL APPLICATION No.
PCT/US 07/81300

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - H02H 3/00 (2008.01)
USPC - 361/87

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): H02H 3/00 (2007.01)
USPC: 361/87

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
IPC(8): H02H 3/20 (2008.01)
USPC: 361/78, 90

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PubWEST (USPTO,PGB,EPAB,JPAB); GoogleScholar
Search Terms: current limit detector, resistor, user defined, controller, voltage, threshold, signal

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>Y</td>
<td>US 3,892,929 A (SHYLO) 1 July 1975 (01.07.1975) entire document, especially col 2, In 43-67</td>
<td>1: 39</td>
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</tbody>
</table>

Further documents are listed in the continuation of Box C.

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  - "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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Date of the actual completion of the international search
19 March 2008 (19.03.2008)

Date of mailing of the international search report
05 MAY 2008

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