(51) International Patent Classification:
G06K 7/04 (2006.01)

(21) International Application Number:
PCT/US2013/044544

(22) International Filing Date:
6 June 2013 (06.06.2013)

(25) Filing Language:
English

(26) Publication Language:
English

(30) Priority Data:
61/656,576 6 June 2012 (06.06.2012) US

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Declarations under Rule 4.17:
— of inventorship (Rule 4.17(iv))

Published:
— with international search report (Art. 21(3))
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(88) Date of publication of the international search report:
13 March 2014

(54) Title: ULTRASONIC IDENTIFICATION OR REPLACEABLE COMPONENT FOR HOST SYSTEM

(57) Abstract: A system, method and device are provided for detecting the presence of and/or obtain information about, a replaceable component for a host system. A host system has an ultrasonic transducer pair that detects the presence of, and/or obtains information about a replaceable component for a host system through receipt or non-receipt of an ultrasonic signal. The replaceable component includes a key or other feature that either allows the transmission of an ultrasonic signal, or which does not allow the reception of the transmitted ultrasonic signal depending on the host configuration.

Fig. 12
### A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G08K 7/01 (2013.01)

USPC - 235/448

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) - G01N 29/00, 34; G08K 7/00, 01, 04 (2013.01)

USPC - 235/400, 439, 444, 448, 367/87, 137, 138, 188

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

CPC - G01N 29/00, 34; G08K 7/00, 01, 04 (2013.01)

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

PatBase, Google Patents, Google

### 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>
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<td>A</td>
<td>US 2006/0181421 A1 (FORCIER et al) 17 August 2006 (17.08.2006) entire document</td>
<td>1-4</td>
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Date of the actual completion of the international search: 27 December 2013

Date of mailing of the international search report: 09 JAN 2014

Authorized officer: Blaine R. Copenheaver

PCT Helpdesk: 571-272-4300

PCT OSP: 571-272-7774

Form PCT/ISA/210 (second sheet) (July 2009)