Title: REMOTE CONTROL OF DEVICE BY TELEPHONE OR OTHER COMMUNICATION DEVICES

(54) Title: REMOTE CONTROL OF DEVICE BY TELEPHONE OR OTHER COMMUNICATION DEVICES

(57) Abstract: A communication device, such as a telephone or a personal computer, can control one or more remotely controlled devices solely over a signaling path, without necessarily establishing an audio path, thus eliminating the need, for the remotely controlled device, or its controller, to include DTMF detection hardware or software or an RTP stack. The communication device can include authentication information, which the communication device uses to authenticate itself to the remotely controlled device, so a user of the communication device can remotely control the device without necessarily entering additional authentication information, such as a passcode. The remotely controlled device (or a controller that controls the device) can register with an element that detects user interactions, such as keypad button presses, with the communication device. The registration can identify one or more patterns of user input.
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**INTERNATIONAL SEARCH REPORT**

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**A. CLASSIFICATION OF SUBJECT MATTER**

**IPC(8) -** H04M 3/00 (2007.01)

According to International Patent Classification (IPC) or to both national classification and IPC

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**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

- IPC(8) - H04M 3/00 (2007 01)
- USPC - 455/419

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)

MicroPatent

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**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>WO 02/32075 A1 (WHITEHEAD) 18 April 2002 (18 04 2002) see whole document</td>
<td>43 and 49</td>
</tr>
<tr>
<td>A</td>
<td>US 6,144,848 A (WALSH et al) 7 November 2000 (07 11 2000) see whole document</td>
<td>1-52</td>
</tr>
<tr>
<td>A</td>
<td>US 6,744,865 B2 (LAHUTSKY) 1 June 2004 (01 06 2004) see whole document</td>
<td>1-52</td>
</tr>
</tbody>
</table>

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**D.** Further documents are listed in the continuation of Box C

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**E.** 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)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

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**F.** Later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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**G.** 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

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**H.** 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

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**I.** Document member of the same patent family

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**Date of the actual completion of the international search**

06 February 2007

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**Date of mailing of the international search report**

10 APR 2007

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**Name and mailing address of the ISA/US**

Mail Stop PCT, Attn IS/AUS, Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No 571-273-3201

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PCTOSP 571-272-7774

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Form PCT/TSA/210 (second sheet) (April 2004)