METHOD AND APPARATUS FOR ADJUSTING A DIALING SEQUENCE BASED ON LOCATION

An electronic device (100) for adjusting a dialing sequence based (fig.4) on its current location (134). The electronic device (100) adds any missing information such as an area code, a country code, etc., thereby allowing the user to only provide a minimum length of dialing sequence when placing a call to a called party. Also, if the dialing sequence represents one of the emergency numbers, then the method adjusts the dialing sequence to use an emergency number used within a region defined by the current location.
European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:
— of inventorship (Rule 4.17(iv)) for US only

Published:
— with international search report

(88) Date of publication of the international search report: 19 December 2002

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

## A. CLASSIFICATION OF SUBJECT MATTER

<table>
<thead>
<tr>
<th>IPC(7)</th>
<th>H05B 7/00</th>
</tr>
</thead>
<tbody>
<tr>
<td>US CL</td>
<td>455/482, 456</td>
</tr>
</tbody>
</table>

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)

| U.S.   | 455/482, 450, 68, 445, 456, 507, 517, 550, 564 |

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)

NONE

## 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>A,P</td>
<td>US 6,334,059 B1 (STILP ET AL) 25 December 2001 see figure 2, see abstract.</td>
<td>1-53</td>
</tr>
<tr>
<td>A</td>
<td>US 5,603,090 A (NGUYEN EL AL) 11 February 1997 see figures 1-2, see column 2, line 36 to column 3, line 14.</td>
<td>1-53</td>
</tr>
</tbody>
</table>

* Further documents are listed in the continuation of Box C.  
* See patent family annex.

### Special categories of cited documents:

- "S" 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 document published on or after the international filing date
- "L" document which may throw doubt 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

### Other categories:

- "T" 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
- "X" 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
- "Y" 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
- "Z" document member of the same patent family

Date of the actual completion of the international search: 08 SEPTEMBER 2002

Date of mailing of the international search report: 04 AUG 2002

Name and mailing address of the ISA/US Commissioner of Patents and Trademarks
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Washington, D.C. 20231

Facsimile No. (703) 505-8280

Authorized officer: THANH LE

Telephone No. (703) 505-4819

Form PCT/ISA/810 (second sheet) (July 1998)
### Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. □ Claims Nos.:
   - because they relate to subject matter not required to be searched by this Authority, namely:

2. □ Claims Nos.:
   - because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. □ Claims Nos.:
   - because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. □ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. □ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. □ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. □ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**

□ The additional search fees were accompanied by the applicant's protest.

□ No protest accompanied the payment of additional search fees.

*Form PCT/ISA/110 (continuation of first sheet(1)) (July 1998)*