Title: KOREAN INPUT METHOD AND APPARATUS USING TOUCH SCREEN, AND PORTABLE TERMINAL INCLUDING KEY INPUT APPARATUS

Abstract: The Korean input method includes determining an initial consonant by making a first touch of a consonant input key displayed on a touch screen and determining a vowel by making a second touch while keeping the first touch and making a dragging gesture continuing from the second touch. The Korean input method provides a Korean input scheme effectively using a multi-touch feature capable of recognizing simultaneous touches on two or more points.
**INTERNATIONAL SEARCH REPORT**

**A. CLASSIFICATION OF SUBJECT MATTER**

**H04M 1/23(2006.01)i, G06F 3/041(2006.01)i**

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)

H04M 1/23; G06F 3/023; G06F 3/048; G06F 3/041; H04B 1/40; H04B 1/38

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

Korean utility models and applications for utility models
Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: input, drag, touch

**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>KR 10-2009-0076650 A (LG ELECTRONICS INC.) 13 July 2009 See abstract, paragraph 0050 - 0096, claims 1-10, figures 4-12</td>
<td>1, 2, 4, 6, 7, 9, 10, 12, 14</td>
</tr>
<tr>
<td>Y</td>
<td>KR 10-0821161 B1 (SAMSUNG ELECTRONICS CO., LTD.) 14 April 2008 See abstract, paragraph 0030 - 0033, figures 2, 3a, 3b</td>
<td>3, 5, 8, 11, 13, 15</td>
</tr>
<tr>
<td>A</td>
<td>KR 10-2008-0015578 A (AD SEMICONDUCTER CO., LTD.) 20 February 2008 See abstract, paragraph 0017 - 0052, figures 2-10</td>
<td>1-15</td>
</tr>
<tr>
<td>PX</td>
<td>KR 10-2010-0122379 A (KOREA UNIVERSITY) 22 November 2010 See abstract, paragraph 0027 - 0070, figures 2-9</td>
<td>1-15</td>
</tr>
</tbody>
</table>

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

* 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 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
  "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
  "&" document member of the same patent family

Date of the actual completion of the international search
08 AUGUST 2011 (08.08.2011)

Date of mailing of the international search report
08 AUGUST 2011 (08.08.2011)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office
Government Complex-Daej on, 189 Cheongsa-ro, Seo-gu, Daejeon 302-701, Republic of Korea
Facsimile No. 82-42-472-7140

Authorized officer

MIN, Kyoung Shin
Telephone No. 82-42-481-5417

Form PCT/ISA/210 (second sheet) (July 2009)
# INTERNATIONAL SEARCH REPORT

Information on patent family members

<table>
<thead>
<tr>
<th>Patent document cited in search report</th>
<th>Publication date</th>
<th>Patent family member(s)</th>
<th>Publication date</th>
</tr>
</thead>
<tbody>
<tr>
<td>KR 10-2008-00 15578 A</td>
<td>20.02.2008</td>
<td>CN 10 1507243 A</td>
<td>12.08.2009</td>
</tr>
<tr>
<td></td>
<td></td>
<td>JP 20 10-500684 A</td>
<td>07.01.2010</td>
</tr>
<tr>
<td></td>
<td></td>
<td>US 2009-0207053 A</td>
<td>20.08.2009</td>
</tr>
<tr>
<td>KR 10-082 1161 B1</td>
<td>14.04.2008</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>KR 10-2010-0122379 A</td>
<td>22.11.2010</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>