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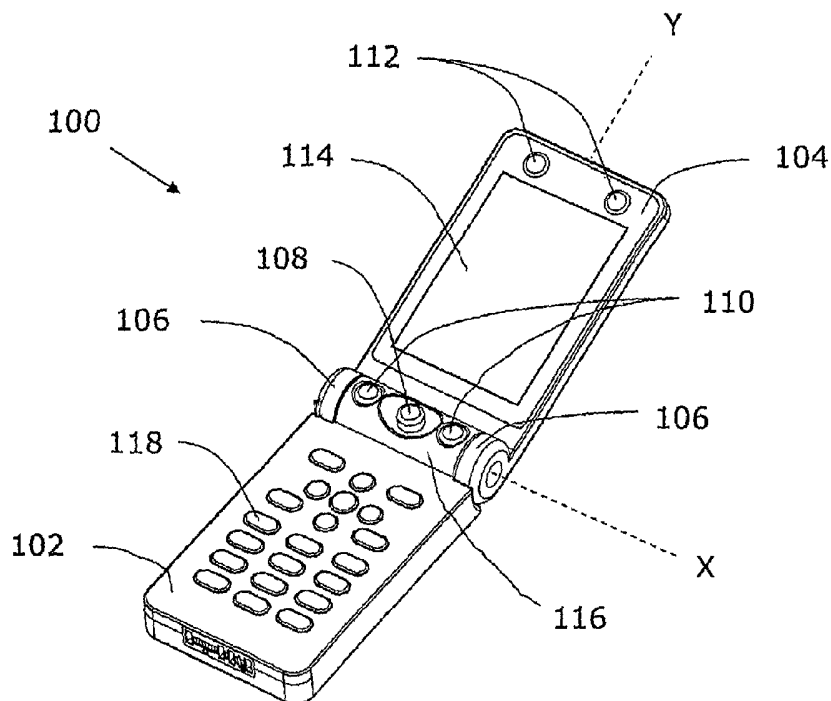
## PCT

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**WO 2005/015885 A3**

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| <p><b>(51) International Patent Classification<sup>7</sup>:</b><br/>H04M 1/02</p> <p><b>(21) International Application Number:</b><br/>PCT/EP2004/008080</p> <p><b>(22) International Filing Date:</b> 20 July 2004 (20.07.2004)</p> <p><b>(25) Filing Language:</b> English</p> <p><b>(26) Publication Language:</b> English</p> <p><b>(30) Priority Data:</b><br/>03077525.8 8 August 2003 (08.08.2003) EP<br/>60/497,650 25 August 2003 (25.08.2003) US</p> <p><b>(71) Applicant (for all designated States except US):</b> SONY ERICSSON MOBILE COMMUNICATIONS AB [SE/SE]; SE-221 88 Lund (SE).</p> <p><b>(72) Inventor; and</b></p> <p><b>(75) Inventor/Applicant (for US only):</b> SCHACK, Göran [SE/SE]; Fädriften 95, SE-296 33 Åhus (SE).</p> <p><b>(74) Agent:</b> DAHNÉR, Christer; Ström &amp; Gulliksson IP AB, P.O. Box 7086, S-103 87 Stockholm (SE).</p> | <p><b>(G06F 1/16, (81) Designated States (unless otherwise indicated, for every kind of national protection available):</b> AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.</p> <p><b>(84) Designated States (unless otherwise indicated, for every kind of regional protection available):</b> ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).</p> <p><b>Declaration under Rule 4.17:</b><br/>— of inventorship (Rule 4.17(iv)) for US only</p> <p><b>Published:</b><br/>— with international search report</p> |
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[Continued on next page]

- (54) Title:** NAVIGATION UNIT IN HINGE



- (57) Abstract:** The present invention is directed towards a portable electronic device (100) that is provided with at least one first user input unit (108) positioned in a hinging section (106, 116) so that the size of the portable electronic device (100) can be reduced.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

*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.*

**(88) Date of publication of the international search report:**

4 August 2005

# INTERNATIONAL SEARCH REPORT

International Application No.  
PCT/EP2004/008080

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G06F1/16 H04M1/02

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 7 G06F H04M

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 practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages                                                                                                                                                       | Relevant to claim No.  |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| X          | <p>PATENT ABSTRACTS OF JAPAN<br/>vol. 2002, no. 09,<br/>4 September 2002 (2002-09-04)<br/>-&amp; JP 2002 135380 A (MATSUSHITA ELECTRIC<br/>IND CO LTD), 10 May 2002 (2002-05-10)<br/>abstract; figures 1-3,5,6,12<br/>-----<br/>-/--</p> | <p>1-12,<br/>14-25</p> |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in 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 document but published on or after the international filing date  
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"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.  
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Date of the actual completion of the international search

10 May 2005

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## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/008080

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages                                                                                                                                                                             | Relevant to claim No.                           |
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| Y          | column 2, line 5 - line 37<br>column 3, line 45 - column 4, line 25<br>column 5, line 1 - column 6, line 6<br>column 7, line 26 - line 33<br>column 10, line 34 - column 11, line 46<br>figures 1-9                                                            | 5, 6, 8,<br>14, 18, 23                          |
| X          | -----<br>EP 1 271 897 A (PIONEER DESIGN CORP<br>;PIONEER CORP (JP))<br>2 January 2003 (2003-01-02)<br>paragraphs '0038! - '0047!<br>figures 3, 4                                                                                                               | 1, 10, 11,<br>17,<br>19-22, 25                  |
| X          | -----<br>EP 0 715 441 A (AT&T CORP)<br>5 June 1996 (1996-06-05)<br><br>column 3, line 13 - column 4, line 47;<br>figure 1                                                                                                                                      | 1, 2,<br>7-12,<br>14-25                         |
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