# (19) World Intellectual Property Organization International Bureau



## ) | 1881|| | 1881|| | 1881|| 1881|| | 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881|| 1881||

(43) International Publication Date 9 November 2006 (09.11.2006)

# (10) International Publication Number WO 2006/117618 A3

- (51) International Patent Classification: *G06F 1/16* (2006.01)
- (21) International Application Number:

PCT/IB2006/001041

- (22) International Filing Date: 27 April 2006 (27.04.2006)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:

11/119,152 29 April 2005 (29.04.2005) US

- (71) Applicant: NOKIA CORPORATION [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI).
- (71) Applicant (for LC only): NOKIA INC. [US/US]; 6000 Connection Drive, Irving, TX 75039 (US).
- (72) Inventors: FINKE-ANLAUFF, Andrea; Friedensalle 12, 38104 Braunschweig (DE). GUNTHER, Torsten; Kaiserstrasse 37, 38100 Braunschweig (DE). CORDES, Lutz; Rosskamphof 2, 30519 Hannover (DE).
- (74) Agents: GREEN, Clarence, A. et al.; Perman & Green, LLP, 425 Post Road, Fairfield, CT 06824 (US).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): 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, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): 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, IS, IT, LT, LU, LV, 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).

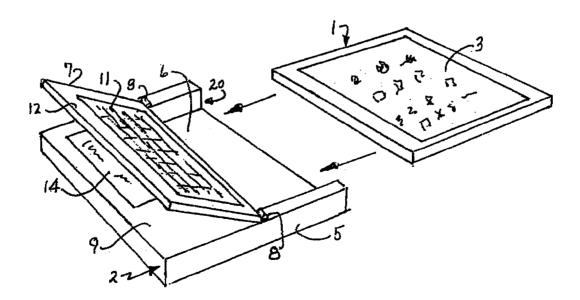
#### Published:

with international search report

(88) Date of publication of the international search report: 8 February 2007

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.

(54) Title: TWO PART MULTI-FUNCTION ELECTRONIC DEVICE



(57) Abstract: A multi-function electronic device(10) is constructed in two parts (1,2). A communication part (1) is a self sufficient device for providing multiple functions, such as, cellular phone, PDA, camera, and others. A cover part (2) has a receptacle (6) for receiving the communication part(1). The cover part (2) includes a lid (7) that is movable from an open position to a position extending over the receptacle (6). A keyboard(ll) is constructed in the lid(7) for use when the lid(7) is in the open position and the communication part (1) is in the cover part (2).



#### INTERNATIONAL SEARCH REPORT

International application No PCT/IB2006/001041

A. CLASSIFICATION OF SUBJECT MATTER INV. G06F1/16

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)  $606F-H04\mbox{M}$ 

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, WPI Data

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/163778 A1 (HAZZARD THOMAS B [US] ET AL) 7 November 2002 (2002-11-07) abstract figures 1,2,4,5 paragraphs [0002], [0003], [0006], [0008], [0010], [0023], [0024], [0027] - [0029]	1–10
X	US 2002/101705 A1 (GENEST LEONARD J [US] ET AL) 1 August 2002 (2002-08-01) abstract figures 1,2,7,8 paragraphs [0002], [0009] - [0012], [0037] - [0039], [0041] - [0044]	1-10

X Further documents are listed in the continuation of Box C. X 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 document but published on or after the international filling 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 filling 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  30 October 2006	Date of mailing of the international search report $07/11/2006$					
Name and mailing address of the ISA/  European Patent Office, P.B. 5818 Patentlaan 2  NL – 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer  Griesbach, Axel					

### INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2006/001041

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT					
	Rejevent to claim No				
	Relevant to claim No.				
5 February 2004 (2004-02-05) abstract	,				
paragraph [0012]					
US 2003/006968 A1 (SOLOMON ROBERT [US]) 9 January 2003 (2003-01-09) abstract figures 1,9	9				
paragraphs [0021], [0051]					
	tion). DOCUMENTS CONSIDERED TO BE RELEVANT  Citation of document, with indication, where appropriate, of the relevant passages  US 2004/023696 A1 (KIM YOUNG S [US]) 5 February 2004 (2004–02–05) abstract figures 1–4 paragraph [0012]  US 2003/006968 A1 (SOLOMON ROBERT [US]) 9 January 2003 (2003–01–09)				

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/IB2006/001041

	Patent document cited in search report		Publication date	Patent family Publication member(s) date
	US 2002163778	Al	07-11-2002	AU 2002340896 A1 18-11-2002 EP 1415216 A2 06-05-2004 WO 02091125 A2 14-11-2002
ļ	US 2002101705	A1	01-08-2002	NONE
	US 2004023696	Al	05-02-2004	NONE
i.	US 2003006968	A1	09-01-2003	NONE