# (19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 5 June 2008 (05.06.2008)

(10) International Publication Number WO 2008/066720 A3

(51) International Patent Classification: G06F 3/02 (2006.01)

(21) International Application Number:

PCT/US2007/024127

(22) International Filing Date:

19 November 2007 (19.1 1.2007)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/860,722

22 November 2006 (22.11.2006)

(71) Applicant (for all designated States except US): ONE LAPTOP PER CHILD ASSOCIATION, INC. [US/US]; One Cambridge Centre, Cambridge, MA 02142 (US).

(72) Inventors: BENDER, Walter; 22 Central St., Newton, MA 02466-2406 (US). FOSTER, Mark; 4157 Interdale Way, Palo Alto, CA 94306 (US).

(74) Agent: BOTJER, William, L.; P.O. Box 478, Centre Moriches, NY 11934 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

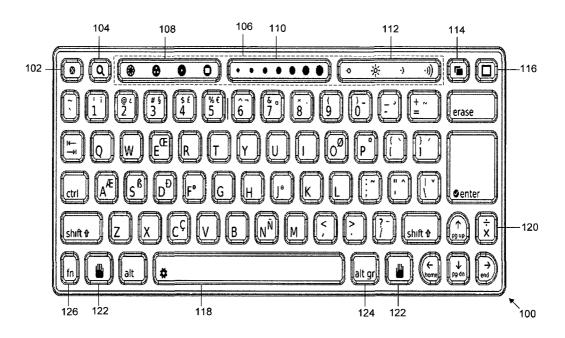
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, 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: 12 September 2008

## (54) Title: A KEYBOARD FOR A COMPUTER



(57) Abstract: A keyboard for a computer. The keyboard comprises a plurality of keys for providing both digital and analog inputs. Additionally, the keyboard comprises keys for functions such as activating a camera or a microphone, scrolling windows on a computer screen, and so forth. The keys are covered with a flexible keycap surface that provides resistance to elements such as water and dust.



#### INTERNATIONAL SEARCH REPORT

International application No PCT/US 07/24127

### CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G06F 3/02 (2008.04)

USPC - 345/168

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

#### FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC 345/168,160 I 341/22

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) PubW\(\beta\)st(PGPB,USPT,USOC,EPAB,JPAB), Google Scholar, keyboard, function, keys, mode, switch, dual, activate, open, browser, interface, search, find, language, projector, camera, volume, adjust, change, increase, decrease, glyph, actuate, peripheral, device, PC, display, show, list, input, analog, digital

#### C DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No	
X	US 2004/0086314 A1 (CHEN et al.) 06 May 2004 (06 05 2004) entire document (especially para [0015], [0017]-[0021])	1-3, 8-1 1, 16-19 and 21	
Y	entire document (especially para [0015], [0017]-[0021])	4-7, 12-15, 20	
Υ	US 2006/0059275 A1 (LEFEVRE et al.) 16 March 2006 (16 03 2006) entire document (especially para [0022], [0034]-[0041])	5-7 and 12-15	
Υ	US 2004/0036632 A1 (FORD) 26 February 2004 (26 02 2004) entire document (especially para [0017], [0021]-[0022], [0032], [0047])	4 and 20	
Α	US 2001/0048426 A1 (SUZUKI et al.) 06 December 2001 (06 12 2001) entire document	1-21	
Α	US 7,001,087 B2 (MCLOONE et al.) 21 February 2006 (21 02 2006) entire document	1-21	

D

	Further	documents	are listed	in the	continuation	of Box C	
*	Special o	categories of	cited docur	nents			

- "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  $\;\;$  "X" filing date
- 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)
- document referring to an oral disclosure, use, exhibition or other
- "P" document published  $p\pi$  or to the international filing date but later than "&" document member of the same patent family the priority date claimed
- 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
- 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
- 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

Date of the actual completion of the international search	Date of mailing of the international search report			
20 Apπl 2008 (20 04 2008)	2 0 MAY 2008			
Name and mailing address of the ISA/US Mail Stop PCT, Attn ISA/US, Commissioner for Patents P O Box 1450, Alexandria, Virginia 22313-1450 Facsimile No 571-273-3201	Authorized officer  Lee W Young  PCT Hβlpdesk 571 272-4300 PCT OSP 571-272 7774			