

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
17 April 2008 (17.04.2008)

PCT

(10) International Publication Number  
WO 2008/045690 A3

(51) International Patent Classification:  
G06F 3/048 (2006.01)

(21) International Application Number:  
PCT/US2007/079729

(22) International Filing Date:  
27 September 2007 (27.09.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/828,519 6 October 2006 (06.10.2006) US

(71) Applicant (for all designated States except US): VEVEO, INC. [US/US]; 40 Shattuck Road, Suite 303, Andover, MA 01810 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): ARAVAMUDAN, Murali [US/US]; 3 Squire Armour Road, Windham, NH 03087 (US).

(74) Agents: BEVILACQUA, Michael, J. et al.; Wilmer Cutler Pickering Hale And Dorr Llp, 60 State Street, Boston, MA 02109 (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.

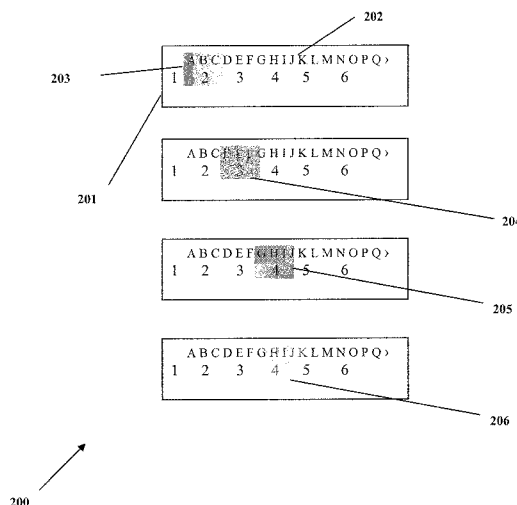
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, 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
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:  
12 June 2008

(54) Title: LINEAR CHARACTER SELECTION DISPLAY INTERFACE FOR AMBIGUOUS TEXT INPUT



(57) Abstract: Methods of and systems for entering ambiguous text input via a linear character selection display are provided. A system for entering an alphanumeric string includes presentation logic for displaying on a presentation device an alphabet arranged into a row of letters and indication logic for presenting visual cues grouping a series of letters of the row into a cluster. The system also includes navigation logic for receiving user actions to move the visual cues along the row of letters to change the letters grouped into the cluster. The visual cues move along the row of letters in variable offsets based on a rate of input of the user actions. The system further includes selection logic for receiving user actions to select the cluster of letters to cause at least one of the letters of the selected cluster to be displayed in a string field.

WO 2008/045690 A3

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 07/79729

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC(8) - G06F 3/048 (2008.01) USPC - 715/763 According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) USPC: 715/763		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC: 715/809, 856-858		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Electronic Databases Searched: PubWEST(USPT,PGPB,EPAB,JPAB); USPTO, Google, Answers.com, Google Patents Search Terms Used: Logic, presentation, navigation, visual, interface, indication, actions, disambiguation, interface		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X ----- Y	US 2006/0098899 A1 (KING et al.) 11 May 2006 (11.05.2006) [0016], [0018], [0022], [0031], [0041]-[0042], [0045]-[0047], [0050], [0059], [0069], [0075]-[0077], [0082], [0084], [0092], [0096]-[0097], [0102]-[0106], [0110]-[0111], [0132], [0244], [0247]-[0249], [0253], [0360], [0369]-[0370], [0377], [0467], [0532]-[0534], [0563], [0586], [0600], [0637], [0647]-[0651], [0660], [0665]-[0666], [0672], [0696], [0698], [0700], [0793] and [0940]	1-25
Y	US 2004/0046744 A1 (RAFI) et al.) 11 March 2004 (11.03.2004) para [0006]-[0009], [0015]-[0020], [0022]-[0024], [0036]-[0039], [0042], [0045], [0048], [0051]-[0052], [0066], [0080], [0086], [0102]-[0106] and [0110]	1-25
Y	US 6,392,640 B1 (WILL) 21 May 2002 (21.05.2002) col 2, ln 13-40, col 6, ln 16-35; See Figs. 2, 14-15	10 and 22
Y	US 2003/0011573 A1 (VILLET et al.) 16 January 2003 (16.01.2003) para [0032]	11 and 23
A	US 6,266,048 B1 (CARAU, SR.) 24 July 2001 (24.07.2001)	1-25
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/>		
* 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 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 "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 "G" document member of the same patent family		
Date of the actual completion of the international search 15 March 2008 (15.03.2008)		Date of mailing of the international search report <b>10 APR 2008</b>
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 Helpdesk: 571-272-4300 PCT OSP: 571-272-7774