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(54) **Title:** DEVICE INCLUDING AUTHENTICATION GLYPH

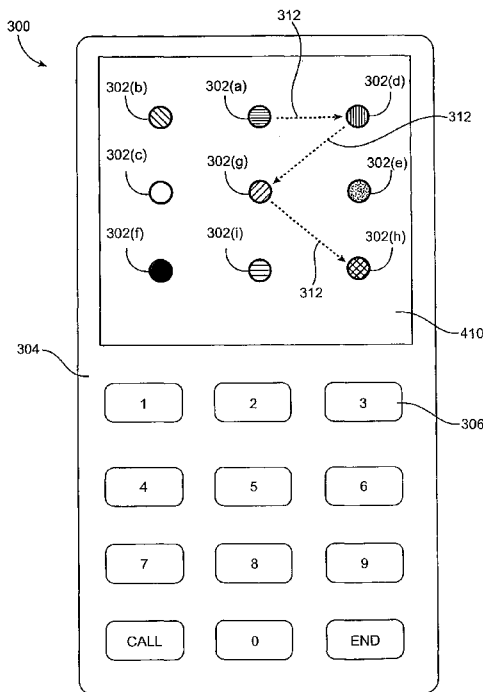


FIG. 4(b)

(57) **Abstract:** A device used in an authentication process. The device includes a processor, a display coupled to the processor, and a computer readable medium coupled to the processor. The computer readable medium includes (i) code for displaying a first authentication image including a plurality of image elements including a set of image elements, where the image elements in the set of image elements are located at a first set of positions on a display screen, (ii) code for receiving a first glyph having a first configuration corresponding to the set of image elements from a user while the first authentication image is displayed, (iii) code for displaying a second authentication image including the plurality of image elements including the set of image elements, where the image elements in the set of image elements are located at a second set of positions on the display screen, where the second set of positions is different than the first set of positions, and (iv) code for receiving a second glyph having a second configuration corresponding to the set of image elements from a user while the first authentication image is displayed.

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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) G06Q 20/00; G06F 11/00; G06F 15/00; G06F 17/00; H04L 9/00		
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: authorization, authentication, glyph, code, image, touch screen, transaction, payment		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KR 10-2008-0011363 A (MININFO CO.) 4 FEBRUARY 2008 See the abstract, page 5, paragraph [0012] - page 8, paragraph [0049] and figures 1-5.	1-24
A	US 5,559,961 A (BLONDER, GREG E.) 24 SEPTEMBER 1996. See the abstract, column 1, line 46 - column 5, line 22 and figures 1, 3, 4.	1-24
A	KR 10-2007-0099887 A (SEOUL NATIONAL UNIVERSITY INDUSTRY FOUNDATION) 10 OCTOBER 2007. See the abstract, page 4, paragraph [0026] - page 12, paragraph [0125] and figures 1, 2, 4-9.	1-24
A	US 6,209,104 B1 (JALILI, REZA) 27 MARCH 2001. See the abstract, column 3, line 2 - column 11, line 48 and figures 3-7, 9-12.	1-24
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> 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		
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Information on patent family members

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