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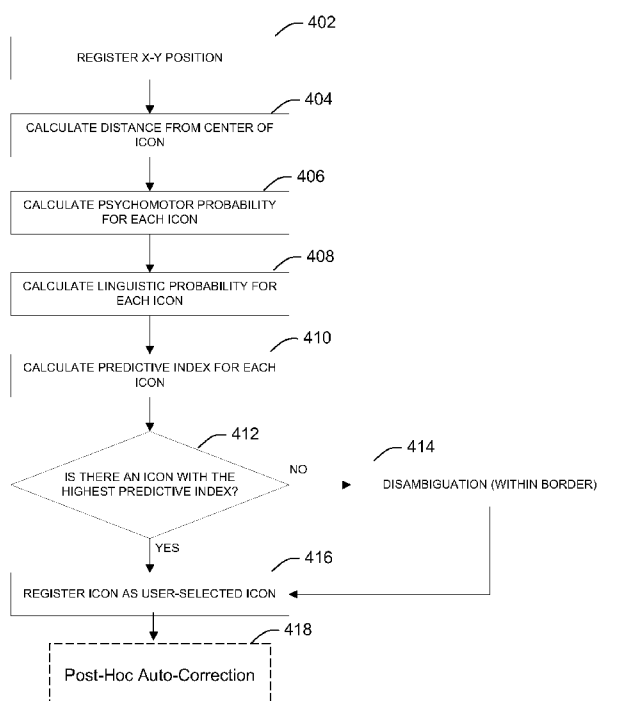
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[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR PSYCHOMOTOR AND PSYCHOLINGUISTIC PREDICTION ON TOUCH BASED DEVICE

400
FIG. 10

(57) Abstract: A method (300 or 400) of key press prediction on a touch-based device or an apparatus (501) can entail registering (302, 402) a position of a touch press attempt on an icon among a plurality of icons presented on the touch-base device, calculating (304, 404) a distance from a center of the icon, calculating (306, 406) a psychomotor probability for each icon in the plurality of icons, calculating (312, 408) a linguistic probability for each icon in the plurality of icons, calculating (314, 410) a predictive index for each icon in the plurality of icons based on the psychomotor probability and the linguistic probability, and registering (310,416) as a user selected icon, an icon with one among a highest predictive index (316, 412) or a probability higher than a predetermined absolute value (308).



ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
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A. CLASSIFICATION OF SUBJECT MATTER

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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)
G06F

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2004/183833 A1 (CHUA YONG TONG [SG]) 23 September 2004 (2004-09-23) paragraph [0017] paragraph [0023] paragraph [0027] - paragraph [0029] paragraph [0038] - paragraph [0040] paragraph [0046] - paragraph [0048]	1-20
X	US 2007/216658 A1 (RAINISTO ROOPE [FI]) 20 September 2007 (2007-09-20) paragraph [0009] - paragraph [0018] paragraph [0055] - paragraph [0064]; figure 9 ----- -/--	1-20

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

☒ See patent family annex.

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International application No

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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A	<p>WO 00/74240 A1 (AMERICA ONLINE [US]) 7 December 2000 (2000-12-07) page 3, line 15 - page 4, line 4 page 5, line 8 - line 15 page 11, line 2 - line 29 page 26, line 38 - page 27, line 30</p> <p>-----</p>	1-20
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