



(43) International Publication Date  
20 September 2012 (20.09.2012)

- (51) International Patent Classification:  
G06F 3/02 (2006.01)
- (21) International Application Number:  
PCT/IB2012/051202
- (22) International Filing Date:  
14 March 2012 (14.03.2012)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
61/452,222 14 March 2011 (14.03.2011) US
- (71) Applicant (for all designated States except US): **SUPER DERIVATIVES, INC.** [US/US]; 545 Madison Avenue, 17th Floor, New York, New York 10022 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **MIRON, Amih** [IL/IL]; Itzhak Sade 7, 55299 Kiriat Ono (IL).
- (74) Agents: **SHICHRUR & CO.** et al.; Derech Menachem Be-gin 132, 67011 Tel Aviv-Yaffo (IL).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, 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, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(88) Date of publication of the international search report:  
17 January 2013

(54) Title: CONTEXT-BASED KEYBOARD

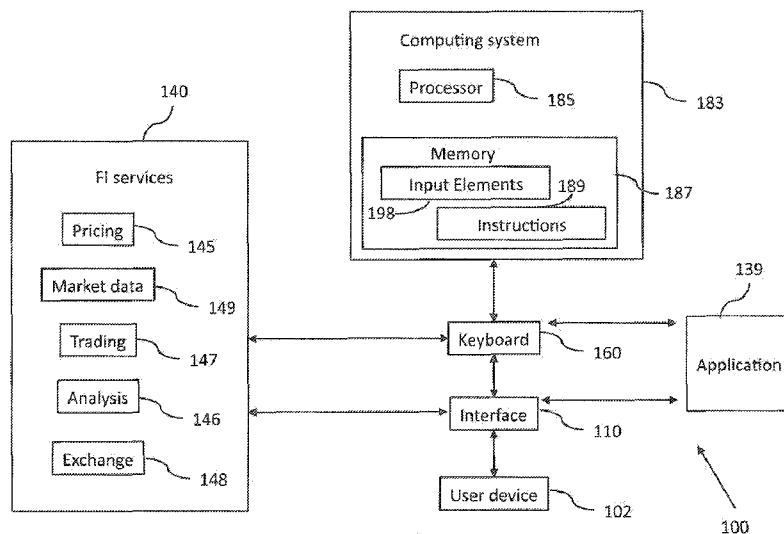


Fig. 1

(57) Abstract: Some demonstrative embodiments, include devices, systems and/or methods of context-based keyboards. For example, a virtual context-based keyboard may be customized based on an input context to be provided from a user to at least one application. The input context may include a predefined combination of a plurality of context components including input elements selected from a respective plurality of predefined sets of input elements, such that a context component has an input element selected from a set of input elements corresponding to the context component. The virtual keyboard may include a plurality of keyboard elements representing input elements of the plurality of sets of input elements, each keyboard element representing a different input element.

WO 2012/123903 A3

**A. CLASSIFICATION OF SUBJECT MATTER****G06F 3/02(2006.01)i**

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 3/02; G06F 3/048; G01G 19/413; G06F 17/00; G06Q 40/00; G09G 5/00

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) &amp; Keywords: virtual keyboard, inut context, combination, financial instrument

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2004-0212595 A1 (ZHOU DEBIAO) 28 October 2004 See paragraphs [0004],[0005],[0034],[0038], claims 1,2, and figures 3,4.	1-28
A	US 2010-0265182 A1 (BALL VINCENT et al.) 21 October 2010 See paragraphs [0002],[0008],[0015], claims 1-3,10, and figures 1,2.	1-28
A	US 2004-0117331 A1 (HOWARD W. LUTNICK et al.) 17 June 2004 See paragraphs [0002],[0010], claims 1,9, and figure 5.	1-28
A	US 2008-0021807 A1 (PETER DANKO et al.) 24 January 2008 See paragraphs [0006]-[0009], claim 1, and figure 2.	1-28

 Further documents are listed in the continuation of Box C. 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

"&amp;" document member of the same patent family

Date of the actual completion of the international search

28 NOVEMBER 2012 (28.11.2012)

Date of mailing of the international search report

**29 NOVEMBER 2012 (29.11.2012)**

Name and mailing address of the ISA/KR

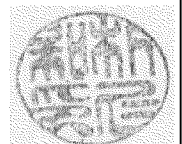
Korean Intellectual Property Office  
189 Cheongsu-ro, Seo-gu, Daejeon Metropolitan  
City, 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

PARK, In Hwa

Telephone No. 82-42-481-5722



**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/IB2012/051202**

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2004-0212595 A1	28.10.2004	EP 1620788 A2 WO 2004-097617 A2 WO 2004-097617 A3	01.02.2006 11.11.2004 11.11.2004
US 2010-0265182 A1	21.10.2010	CA 2757633 A1 CN 102289283 A CN 102405453 A EP 2422264 A2 KR 10-2012-0016054 A US 2010-0265183 A1 WO 2010-123736 A2 WO 2010-123736 A3	28.10.2010 21.12.2011 04.04.2012 29.02.2012 22.02.2012 21.10.2010 28.10.2010 28.10.2010
US 2004-0117331 A1	17.06.2004	None	
US 2008-0021807 A1	24.01.2008	EP 1862886 A2 GB 0710326 D0 GB 2438732 A	05.12.2007 11.07.2007 05.12.2007