

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
27 December 2007 (27.12.2007)

PCT

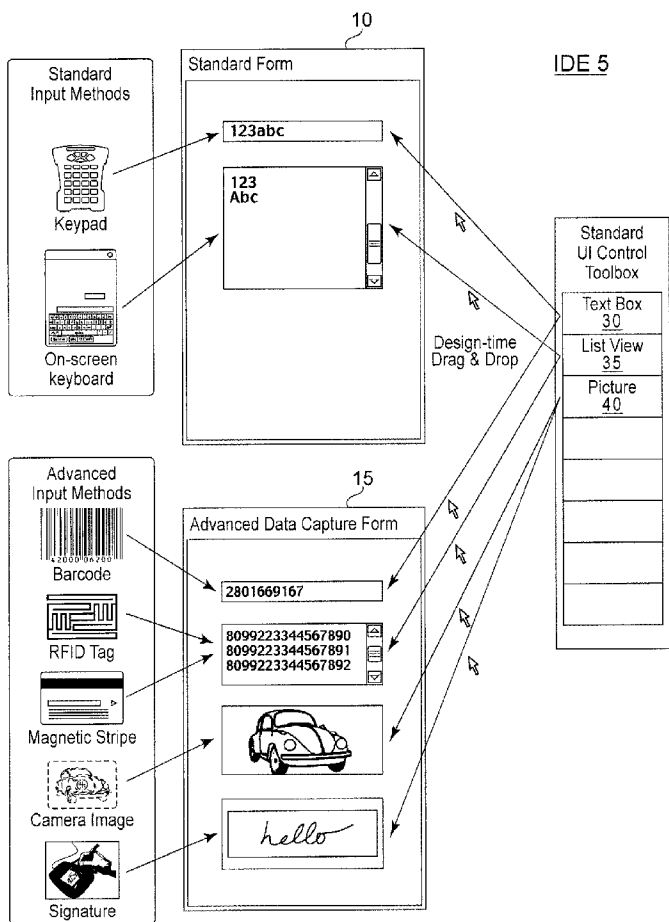
(10) International Publication Number
WO 2007/149735 A3

- (51) International Patent Classification:
G06F 9/44 (2006.01)
- (21) International Application Number:
PCT/US2007/070993
- (22) International Filing Date: 12 June 2007 (12.06.2007)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
11/471,948 21 June 2006 (21.06.2006) US
- (71) Applicant (for all designated States except US): **SYMBOL TECHNOLOGIES, INC.** [US/US]; One Motorola Plaza, MS A-6, Holtsville, NY 11742-1300 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **KADUR, Prashanth** [IN/US]; 1706 Avalon Pines Drive, Coram, NY 11727 (US). **FAGIOLI, James** [US/US]; 19 Mary Lu Drive, Holtsville, NY 11742 (US).
- (74) Agents: **KAPLUN, Oleg, F.** et al.; 150 Broadway, Suite 702, New York, NY 10038 (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).

[Continued on next page]

(54) Title: INTEGRATED DEVELOPMENT ENVIRONMENT AND RELATED METHODS



(57) Abstract: Described is an integrated development environment for building an application and related methods. The integrated development environment comprises a first form corresponding to a first set of data input devices, a second form corresponding to a second set of data input devices, and a data input control. When the data input control is inserted into the first form, the application is configured to receive input data generated by a first input device from the first set. When the data input control is inserted into the second form, the application is configured to receive the input data generated by a second input device from the second set.

WO 2007/149735 A3



Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

Published:

- *with international search report*

(88) Date of publication of the international search report:

22 May 2008

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2007/070993

A. CLASSIFICATION OF SUBJECT MATTER
INV. G06F9/44

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, WPI Data, INSPEC, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 662 382 A (CANON KK [JP]) 31 May 2006 (2006-05-31) abstract figures 3,4 paragraphs [0036], [0038], [0051] - [0054] paragraph [0079]	1-8, 14-16

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 document 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.
- *8* document member of the same patent family

Date of the actual completion of the international search

14 December 2007

Date of mailing of the international search report

10/03/2008

Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Uhlmann, Nikolay

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2007/070993

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.
2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-8, 14-16

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-8, 14-16

An IDE for building an application, comprising forms which correspond to input devices and adapting controls to receive input from the corresponding input device.

2. claims: 9-13

An IDE for building an application, assigning a data capturing device to a form.

3. claims: 17-20

An input method, receiving data with different types and processing the data in accordance with its type.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2007/070993

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1662382	A	CN 1782994 A	07-06-2006
		JP 2006155035 A	15-06-2006
		US 2006117265 A1	01-06-2006
