

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
20 September 2001 (20.09.2001)

PCT

(10) International Publication Number
WO 01/069381 A3

- (51) International Patent Classification⁷: **G06F 9/44**
- (21) International Application Number: PCT/US01/08255
- (22) International Filing Date: 14 March 2001 (14.03.2001)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/189,358 14 March 2000 (14.03.2000) US
- (63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:
US 60/189,358 (CIP)
Filed on 14 March 2000 (14.03.2000)
- (71) Applicant (*for all designated States except US*): **IS-PRING. COM** [US/US]; Suite 106, 1340 S. De Anza Blvd., San Jose, CA 95129 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **MOHAN, Ram, P.** [US/US]; 10960 Santa Teresa Drive, Cupertino, CA 95014 (US). **MANSOOR, Shariq** [PK/US]; 5630 Stevens Creek Boulevard #263, Cupertino, CA 95014 (US).
- (74) Agent: **DAVIS, Paul**; Wilson Sonsini Goodrich & Rosati, 650 Page Mill Road, Palo Alto, CA 94304-1050 (US).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— with international search report
- (88) Date of publication of the international search report:
27 March 2003
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: METHOD AND APPARATUS FOR DEVELOPING SOFTWARE

(57) Abstract: A method for creating software provides a plurality of nodes and a directory of applications. Each application is created by use of at least a portion of the plurality of the nodes. At least a portion of the plurality of nodes are selected to create a selected node layout that represent a plurality of application logics. The selected node layout is executed by a server program.



WO 01/069381 A3

INTERNATIONAL SEARCH REPORT

National Application No

PCT/US 01/08255

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 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)
IPC 7 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 5 960 410 A (HALPERN MORDECHAI) 28 September 1999 (1999-09-28) column 2, line 29 -column 3, line 59 ----	1-40
A	WO 88 07719 A (AIMTECH CORP) 6 October 1988 (1988-10-06) page 3, line 6 -page 6, line 2 ----	1-40
A	WO 99 60372 A (DAVIS ANDREW MARTIN ; JONES ROBIN DYLAN (GB); PEDEN JOSEPH MARTIN ()) 25 November 1999 (1999-11-25) page 6, line 1 -page 8, line 7 ----	1-40
A	US 5 987 246 A (KODOSKY JEFFREY L ET AL) 16 November 1999 (1999-11-16) column 2, line 19 -column 3, line 10 -----	1-40

☐

Further documents are listed in the continuation of box C.

☒

Patent family members are listed in 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.
- *Z* document member of the same patent family

Date of the actual completion of the international search

17 October 2002

Date of mailing of the international search report

23/10/2002

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

Bijn, K

INTERNATIONAL SEARCH REPORT

national Application No

PCT/US 01/08255

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5960410	A	28-09-1999	NONE	
WO 8807719	A	06-10-1988	WO 8807719 A2	06-10-1988
WO 9960372	A	25-11-1999	AU 3944499 A	06-12-1999
			EP 1078239 A2	28-02-2001
			WO 9960372 A2	25-11-1999
US 5987246	A	16-11-1999	NONE	