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*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.*

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US00/18741

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : G06F 9/45

US CL : 717/1

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)

U.S. : 717/1,2,3,5; 707/3,10,100,103,513; 709/315,316

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 practicable, search terms used)

STN, ACM Digital Library, EAST

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A, P	US 6,018,627 A (IYENGER et al.) 25 January 2000, the whole document.	1-20
A	US 5,890,158 A (HOUSE et al.) 30 MARCH 1999	1-20
A	US 5,875,333 A (FISH et al.) 23 February 1999, the whole document.	1-20
A	US 5,848,273 A (FONTANA et al. ) 08 December 1998, the whole document.	1-20
A	US 5,761,499 A (SONDEREGGER ) 02 June 1998, the whole document.	1-20
A	US 5,706,502 A (FOLEY et al.) 06 January 1998, the whole document.	1-20

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	"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
"A" document defining the general state of the art which is not considered to be of particular relevance	"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
"E" earlier document published on or after the international filing date	"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
"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)	"&" document member of the same patent family
"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	

Date of the actual completion of the international search

02 OCTOBER 2000

Date of mailing of the international search report

12 JAN 2001

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International application No.  
PCT/US00/18741

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,499,371 A (HENINGER et al.) 12 March 1996, the whole document.	1-20
A	LINDSTROM, F. Experiences of Use cases and Similar Concepts, OOPSLA '92, ACM, 1992, pp 123-130.	1-20
A	KLEIN B. XML Makes Object Models More Useful, InformationWeek, 28 June 1999, pp 1A- 6A.	1-20
A	LEVIN R. Component Modeling Tools Encourage Reuse, InformationWeek, 31 March 1997, pp 6A-10A.	1-20