

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/05603

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F17/30 H04L29/06 H04L29/08

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 H04L

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, PAJ, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 265 246 A (LI SHIH-GONG ET AL) 23 November 1993 (1993-11-23)	1-5,7
Y	abstract figures 2-4,6A,5A,5B,6B,6C,6D,6E column 1, line 60 -column 2, line 35 claims 1-4	15-24
Y	----- US 5 995 979 A (COCHRAN NANCY PAULINE) 30 November 1999 (1999-11-30) abstract column 4, line 1 -column 4, line 50 column 7, line 8 -column 9, line 59	15-24,31
Y	----- US 5 522 066 A (LU FENG-CHANG) 28 May 1996 (1996-05-28) cited in the application abstract figures 3B,4	31
	----- -/-	



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.

& document member of the same patent family

Date of the actual completion of the international search

12 December 2003

Date of mailing of the international search report

19/12/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	WO 98 49632 A (PRICE WATERHOUSE LLP) 5 November 1998 (1998-11-05) abstract page 2, line 15 -page 3, line 22 ----	31
A	US 5 715 444 A (DANISH MOHAMED SHERIF ET AL) 3 February 1998 (1998-02-03) the whole document ----	1-40
A	US 6 009 422 A (CICCARELLI STEVEN MATTHEW) 28 December 1999 (1999-12-28) the whole document ----	1-40
A	US 5 974 407 A (SACKS JEROME E) 26 October 1999 (1999-10-26) cited in the application the whole document -----	1-40

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Information on patent family members

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