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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/IL00/00745

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) :G06F 15/173, 15/16, 15/00

US CL :709/224, 234, 225; 707/517

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. : 709/224, 234, 225; 707/517

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/CAS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y,E	US 6,209,009 B1 (SCHWARTZ et al) 27 March 2001, abstract.	1-53
Y,P	US 6,138,158 A (BOYLE et al) 24 October 2000, abstract.	1-53
Y,P	US 6,128,601 A (VAN HORNE et al) 03 October 2000, abstract.	1-53
Y,P	US 6,119,167 A (BOYLE et al) 12 September 2000, abstract.	1-53
Y,P	US 6,094,681 A (SHAFFER et al) 25 July 2000, abstract, col. 4.	1-53

☐ 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

23 MAY 2001

Date of mailing of the international search report

19 JUN 2001

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL00/00745

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international 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 II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

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

Please See Extra Sheet.

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
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.:
1-53

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IL00/00745

BOX II. OBSERVATIONS WHERE UNITY OF INVENTION WAS LACKING

This ISA found multiple inventions as follows:

This application contains the following inventions or groups of inventions which are not so linked as to form a single inventive concept under PCT Rule 13.1. In order for all inventions to be searched, the appropriate additional search fees must be paid.

Group I, claim(s) 1-53, drawn to knowledge based processing based on definitions.

Group II, claim(s) 54-117, drawn to network resource allocation.

Group III, claim(s) 118-136, drawn to combining images for display.

Group IV, claim(s) 137-144, drawn to event monitoring.

Group V, claim(s) 145-153, drawn to network interfacing.

Group VI, claim(s) 154-158, drawn to distributed computing system.

Group VII, claim(s) 159-167, drawn to location monitoring.

Group VIII, claim(s) 168-176, drawn to testing cellular phones.

Group IX, claim(s) 177, drawn to communication system using cryptography.

Group X, claim(s) 178-183, drawn to incorrect unit location.

The inventions listed as Groups I-X do not relate to a single inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: Group I, lacks the network resource allocation, combining images for display, event monitoring, network interfacing, distributed computer system, location monitoring, testing cellular phones, communication system using cryptography and incorrect unit location, particulars. Group II, lacks the combining images for display, event monitoring, network interfacing, distributed computer system, location monitoring, testing cellular phones, communication system using cryptography and incorrect unit location, particulars. Group III, lacks the event monitoring, network interfacing, distributed computer system, location monitoring, testing cellular phones, communication system using cryptography and incorrect unit location, particulars. Group IV, lacks the network interfacing, distributed computer system, location monitoring, testing cellular phones, communication system using cryptography and incorrect unit location, particulars. Group V, lacks the distributed computer system, location monitoring, testing cellular phones, communication system using cryptography and incorrect unit location, particulars. Group VI, lacks the location monitoring, testing cellular phones, communication system using cryptography and incorrect unit location, particulars. Group VII, lacks the testing cellular phones, communication system using cryptography and incorrect unit location, particulars. Group VIII, lacks the communication system using cryptography and incorrect unit location, particulars. Group IX, lacks the incorrect unit location, particulars.