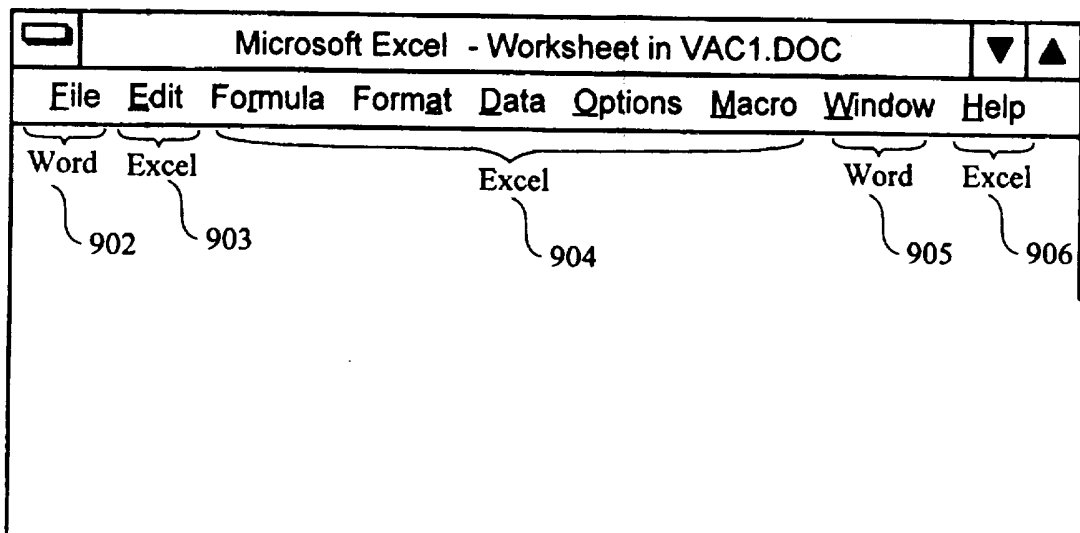




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification ⁵ : G06F 9/44, 3/033</p>	<p>A3</p>	<p>(11) International Publication Number: WO 94/14115 (43) International Publication Date: 23 June 1994 (23.06.94)</p>
<p>(21) International Application Number: PCT/US93/11468 (22) International Filing Date: 24 November 1993 (24.11.93) (30) Priority Data: 07/984,868 1 December 1992 (01.12.92) US (71) Applicant: MICROSOFT CORPORATION [US/US]; One Microsoft Way, Redmond, WA 98052-6399 (US). (72) Inventors: KOPPOLU, Srinivasa, R.; 2402 236th Avenue N.E., Redmond, WA 98052 (US). MacKICHAN, Barry, B.; 12730 Manzanita Road N.E., Bainbridge Island, WA 98110 (US). McDANIEL, Richard; 6017 Stanton Avenue, Apartment 1, Pittsburgh, PA 15206 (US). REMALA, Rao, V.; 19011 N.E. 151st Street, Woodinville, WA 98072 (US). WILLIAMS, Antony, S.; 22542 N.E. 46th Street, Redmond, WA 98053 (US). (74) Agents: PIRIO, Maurice, J. et al.; Seed and Berry, 6300 Columbia Center, 701 Fifth Avenue, Seattle, WA 98104-7092 (US).</p>	<p>(81) Designated States: CA, JP, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 29 September 1994 (29.09.94)</p>	

(54) Title: A METHOD AND SYSTEM FOR IN-PLACE INTERACTION WITH EMBEDDED OBJECTS



(57) Abstract

A computer method and system for interacting with a containee object contained within a container object. In a preferred embodiment of the present invention, the container object has a container application with a container window environment that has container resources for interacting with the container object. The containee object has a server application with a server window environment with server resources for interacting with the containee object. The method of the present invention displays the container window environment on a display device. A user then selects the containee object. In response to selecting the containee objects, the method integrates a plurality of the server resources with the displayed container window environment. When a user then selects a server resource, the method invokes the server application to process the server resource selection. Conversely, when a user selects a container resource, the method invokes the container application to process the container resource selection.

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INTERNATIONAL SEARCH REPORT

Int. onal Application No
PCT/US 93/11468

<p>A. CLASSIFICATION OF SUBJECT MATTER IPC 5 G06F9/44 G06F3/033</p>		
<p>According to International Patent Classification (IPC) or to both national classification and IPC</p>		
<p>B. FIELDS SEARCHED</p>		
<p>Minimum documentation searched (classification system followed by classification symbols) IPC 5 G06F</p>		
<p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched</p>		
<p>Electronic data base consulted during the international search (name of data base and, where practical, search terms used)</p>		
<p>C. DOCUMENTS CONSIDERED TO BE RELEVANT</p>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>BYTE, vol.17, no.14, December 1992, LONDON, GB pages 153 - 160 PETER WAYNER: 'Brave New Desktop' see page 155, right column, line 8 - page 156, middle column, line 2; figures ---</p>	<p>1-16, 22-34</p>
A	<p>'Microsoft Windows Version 3.1 User's Guide', MICROSOFT CORPORATION, US see page 487, paragraph 1 - page 489, last paragraph ---</p>	<p>1-16, 22-34</p>
A	<p>EP,A,0 215 203 (IBM) 25 March 1987 see the whole document ---</p>	<p>1-16, 22-34</p>
	-/--	
<p><input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.</p>		
<p>* Special categories of cited documents :</p>		
<p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"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)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>		<p>"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</p> <p>"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</p> <p>"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.</p> <p>"&" document member of the same patent family</p>
<p>Date of the actual completion of the international search 7 April 1994</p>		<p>Date of mailing of the international search report 29.08.94</p>
<p>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</p>		<p>Authorized officer Fonderson, A</p>

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INTERNATIONAL SEARCH REPORT

 Intl. Application No
 PCT/US 93/11468

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	IBM TECHNICAL DISCLOSURE BULLETIN, vol.27, no.10B, March 1985, NEW YORK, US page 5998 'Object-Specific Command Bar' see the whole document ---	1-7, 14-16, 22-28
A	EP,A,0 304 071 (WANG LABORATORIES INC.) 22 February 1989 see abstract -----	1-16, 22-34

Box I Observations where certain claims were found unsearchable (Continuation of item 1 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 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:

SEE ANNEXED 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.:

1-16, 22-34

Remark on Protest

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

INVITATION TO PAY ADDITIONAL FEES

International application No.
PCT/US 93/ 11468

1. Claims 1-16, 22-34 : Method and system of interacting with a contained object within the context of its containing application.
2. Claim 17 : Method for dynamically combining window hierarchies in a computer system.
3. Claims 18-20 : Method for scrolling a window containing another window which contains selected data.
4. Claim 21 : Method for visually emphasising a selected object which is displayed on a display device.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 93/11468

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP-A-0215203	25-03-87	US-A- 4815029	21-03-89
		JP-A- 62072059	02-04-87

EP-A-0304071	22-02-89	AU-B- 607795	14-03-91
		AU-A- 2094388	23-02-89
		JP-A- 1126736	18-05-89
		US-A- 5206951	27-04-93
		US-A- 5261080	09-11-93
		US-A- 5303379	12-04-94
		US-A- 5226161	06-07-93
