

EXHIBIT 25

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Class

UTILITY SERIAL NUMBER 08/816492

SERIAL NUMBER	FILING DATE	CLASS	SUBCLASS 114	GROUP ART UNIT 2775	EXAMINER NEUYEN
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APPLICANTS

CN YES

2302 4/14/97
NOW ABANDONED
NOW ABANDONED.

CN NONE

Foreign priority claimed 35 USC 119 conditions met	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	AS FILED	STATE OR COUNTRY	SHEETS OR DRWGS.	TOTAL CLAIMS	INDEP. CLAIMS	FILING FEE RECEIVED	ATTORNEY'S DOCKET NO.
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ADDRESS

TITLE

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BOX AF

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Patent Application of:
Stephen Fisher, Eric Mathew Trehus
Serial No.: 08/084,288
Filed: 06/28/93
For: MESSAGING PROTOCOL FOR CONTROLLING A USER INTERFACE FROM AN INACTIVE APPLICATION PROGRAM

) GROUP 260
)
) Examiner: Nguyen, C.
) Art Unit: 2609

9/11/c
D. Borden
11-15-94

not enter
can 08/17/94

AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION

HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

Sir:

In response to the Office Action dated June 27, 1994, Applicants offer to amend the application as follows:

IN THE DRAWINGS:

Please amend Figures 2 and 4 as shown in the enclosed drawings.

IN THE CLAIMS:

Please cancel claim 6.

Please amend the claims as follows:

C1
cont
Sub FH

1. (Amended) In a computer system, a method [of] for a first process operative in said computer system to control[ling] a user interface on a computer

C1
Amended

- 3 system display under control of a second process operative in said computer
 4 system, comprising the following steps:
- 5 a. installing an event handling process [for] as part of said second
 6 process, said event handling process, when said second process is
 7 operative in said computer system, servicing events generated by
 8 the first process for controlling said user interface display under
 9 control of said second process;
 - 10 b. said first process performing a first set of functions in said
 11 computer system;
 - 12 c. said first process generating a first set of events for controlling said
 13 user interface display, said first set of events related to said first set
 14 of functions performed by said first process; and
 - 15 d. said event handling process receiving said first set of events
 16 generated by said first process, said event handling process
 17 updating said user interface on said computer system display
 18 according to said events generated by said first process and
 19 received by said event handling process.

Sub
F2
C2
Cont

- 1 7. (Amended) In a computer system comprising a processor, a display, a
 2 memory, a user input device, a first process operative in the computer system, a
 3 second process operative in the computer system and a user interface on said
 4 computer system display under the control of the second process, a method for [a] the
 5 first process [operative in a computer system] to perform operations for [a] the second
 6 process [operative in said computer system, said first process further] and control[ing
 7 a] the user interface on said computer system display under control of the second
 8 process operative in said computer system to display information regarding the
 9 operations performed by the first process for the second process, said method
 10 comprising the following steps:

C2
Contd

- 11 a. installing an event handling process [for] as part of said
- 12 second process, said event handling process when said second process is
- 13 operative in said computer system, servicing events generated by the first
- 14 process for controlling said user interface display under control of said
- 15 second process;
- 16 b. said second process requesting said first process to perform
- 17 operations for said second process;
- 18 c. said first process performing said operations in said
- 19 computer system;
- 20 d. said first process generating events for controlling said user
- 21 interface display, said events [related to] providing information regarding
- 22 the operations performed by said first process for the second process; and
- 23 e. said event handling process receiving events generated by
- 24 said first process, said event handling process updating said user interface
- 25 on said computer system display according to said events generated by
- 26 said first process and received by said event handling process.

Please add the following claims:

C3
Cont

- 1 ~~8. The method as set forth in claim 7, wherein the first process is a~~
- 2 ~~background process and the second process is a foreground process.~~
- 1 ~~9. The method as set forth in claim 7, wherein said first process is not~~
- 2 ~~operative until said second process requests said first process to perform operations~~
- 3 ~~for said second process.~~
- 1 ~~10. In a computer system comprising a processor, a display, a memory, a~~
- 2 ~~user input device, a first process operative in the computer system, a second process~~
- 3 ~~operative in the computer system and a user interface on said computer system~~
- 4 ~~display under the control of the second process, an apparatus method for the first~~

Sub
D1

*03
initial*

5 process to perform operations for the second process and control the user interface on
6 said computer system display under control of the second process operative in said
7 computer system to display information regarding the operations performed by the
8 first process for the second process, said method comprising the following steps:
9 a. installing an event handling process as part of said second
10 process, said event handling process when said second process is
11 operative in said computer system, servicing events generated by the first
12 process for controlling said user interface display under control of said
13 second process;
14 b. said second process comprising a means for initiating said
15 first process to perform operations for said second process;
16 d. said first process generating events for controlling said user
17 interface display, said events providing information regarding the
18 operations performed by said first process for the second process; and
19 e. said event handling process receiving events generated by
20 said first process, said event handling process updating said user interface
21 on said computer system display according to said events generated by
22 said first process and received by said event handling process.

REMARKS

In the final office action dated June 27, 1994 claims 1-4 and 6-7 are rejected under 35 U.S.C. §103 as being unpatentable over Diefendorff. Furthermore, figures 2 and 4 should be designated by a legend such as "prior art." In addition, claim 6 is rejected under 35 U.S.C. §112, second paragraph as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. In response, Applicants have amended Figures 2 and 4, have canceled claim 6 and have added claims 8-10. Reconsideration of the application as amended is respectfully requested.

As noted previously in a prior response, the Diefendorff reference teaches the concept of providing a porthole in an overlying window such that a user can view a small portion of an underlying window, the portion delimited by the size of the porthole when it is hidden by the overlying window. In order to generate the porthole, the window established and controlled by some process must be active in the window system. The user can then delineate the portion that is to be a porthole by bringing the window to the foreground, delineating the porthole area and then bringing the second window back as the foreground window. The porthole will then be displayed. Once the porthole is established, the process operating within the hidden window updates a bitmap stored in memory. A graphics controller, based upon the instructions provided by definition of the porthole, reads the bitmap and copies the appropriate bits to the appropriate location in the screen buffer for the display.

The Examiner contends with respect to the claimed language that the target window of Diefendorff corresponds to the first process, the user interface corresponds to the porthole window, and the second process corresponds to the source window and the event handler corresponds to the graphic controller of the Diefendorff reference. Applicants believe that the claims are distinguishable over the cited art. Applicants have further amended the claims in order to clarify the function and structure of the elements claimed to further emphasize the differences between the invention and the cited art. For example, the event handling process is not a separate process but is actually part of the second process. In the preferred embodiment, the event handler is utilized as the main operational loop of the second process. Thus, the event handling process is part of the second process and services events when the second process is operative. Thus, if the second process is not executing, the event handling process is not executing.

The event handling process, which is part of the second process, similarly services events generated by the first process. This is neither taught nor disclosed by the Diefendorff reference. The graphics controller is not part of the second process, and therefore, the second process of which the event handling process is part of, does not service events generated by the first process. Therefore, the first process when performing a set of functions in the computer system generates a first set of events for controlling the user interface display and the event handling process that is part of the second process receives those events and updates the user interface according to the events generated. For these reasons, claims 1-3 and 7-10 are distinguished over the Diefendorff reference.

In one embodiment described, the first process is a background process initiated by the second process only when needed. This is reflected in claim 7, which refers to the installation of an event handling process as part of the second process, the event handling process servicing events generated by the first process for controlling the user interface display. Thus, when the second process requests the first process to perform operations for the second process, the first process is initiated to perform these operations. The first process then generates events for controlling the user interface display, such as providing information regarding the operations performed for the second process, and the event handling process receives those events and updates the user interface display according to those events generated by the first process.

Again, this is neither taught nor disclosed by the Diefendorff reference as the first process, disclosed by Diefendorff according to the Examiner's interpretation, does not perform operations for the second process and therefore the first process does not generate events for controlling the user interface display, these events providing information regarding operations performed by

the first process for the second process. One typical example of this system is that the first process is not operative until the second process requests that the first process perform the operations for the second process. This additional aspect clearly is not disclosed nor taught in Diefendorff as the first process must be in a window and active in order to be able to define the portions of the window that are to show through via the porthole. This limitation is set forth in the present invention in claim 9, and furthermore as set forth in claim 10.

Therefore, Applicants contend that the claims are distinguished over the cited art and are in condition for allowance. Allowance of the claims is respectfully requested.

Respectfully submitted,
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN

Dated: July 28, 1994

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I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class mail, in an envelope addressed to: Commissioner of Patents and Trademarks, Box AF, Washington, D.C. 20231, on:

Date of Deposit July 28, 1994

Adrienne E. Giberson
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07/28/94
Date