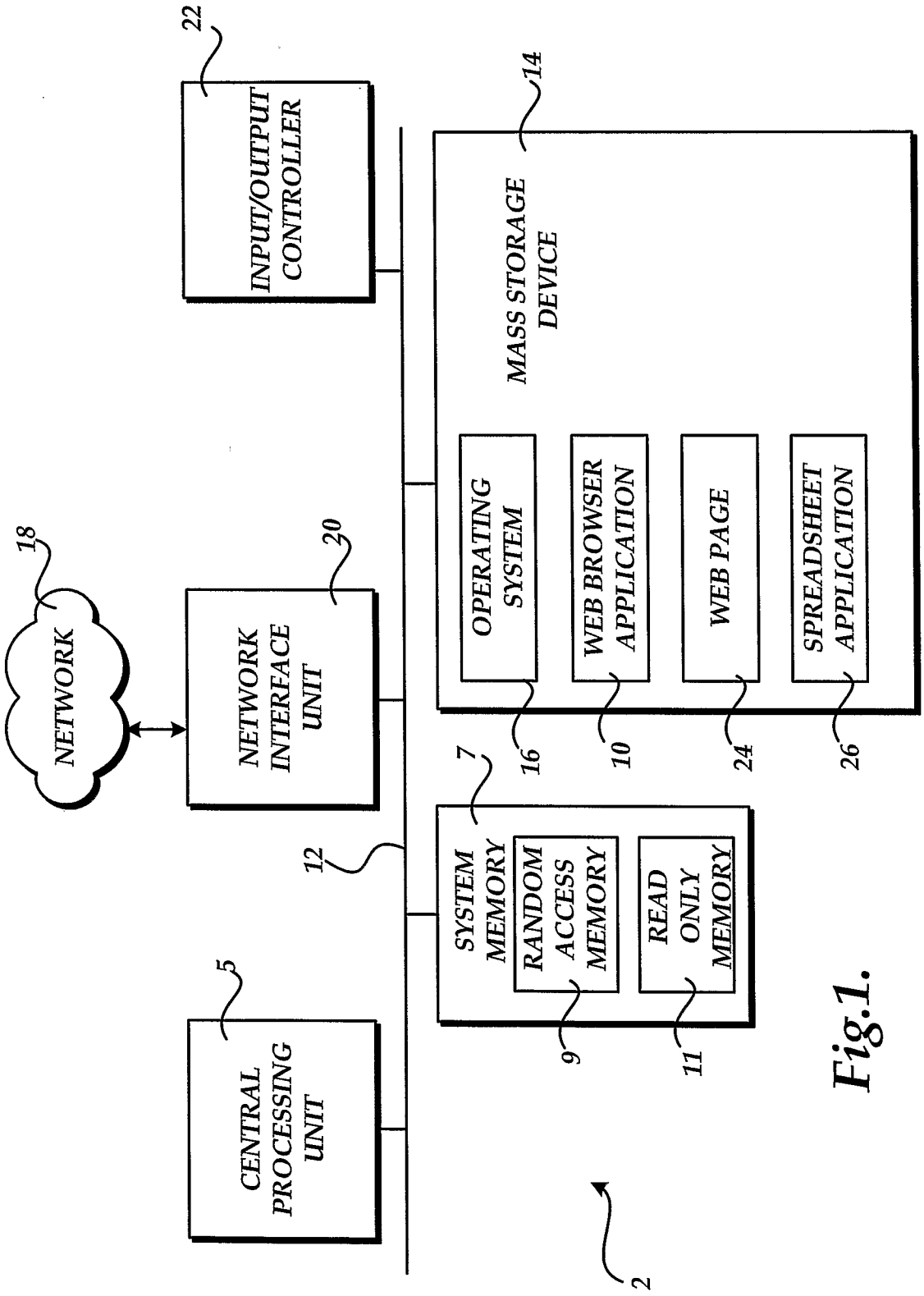

22
INPUT/OUTPUT CONTROLLER
14
MASS STORAGE DEVICE
OPERATING SYSTEM
WEB BROWSER APPLICATION
WEB PAGE
SPREADSHEET APPLICATION
16
10
24
26
18
NETWORK
20
NETWORK INTERFACE UNIT
7
SYSTEM MEMORY
RANDOM ACCESS MEMORY
READ ONLY MEMORY
9
11
12
5
CENTRAL PROCESSING UNIT
2

Fig.1.

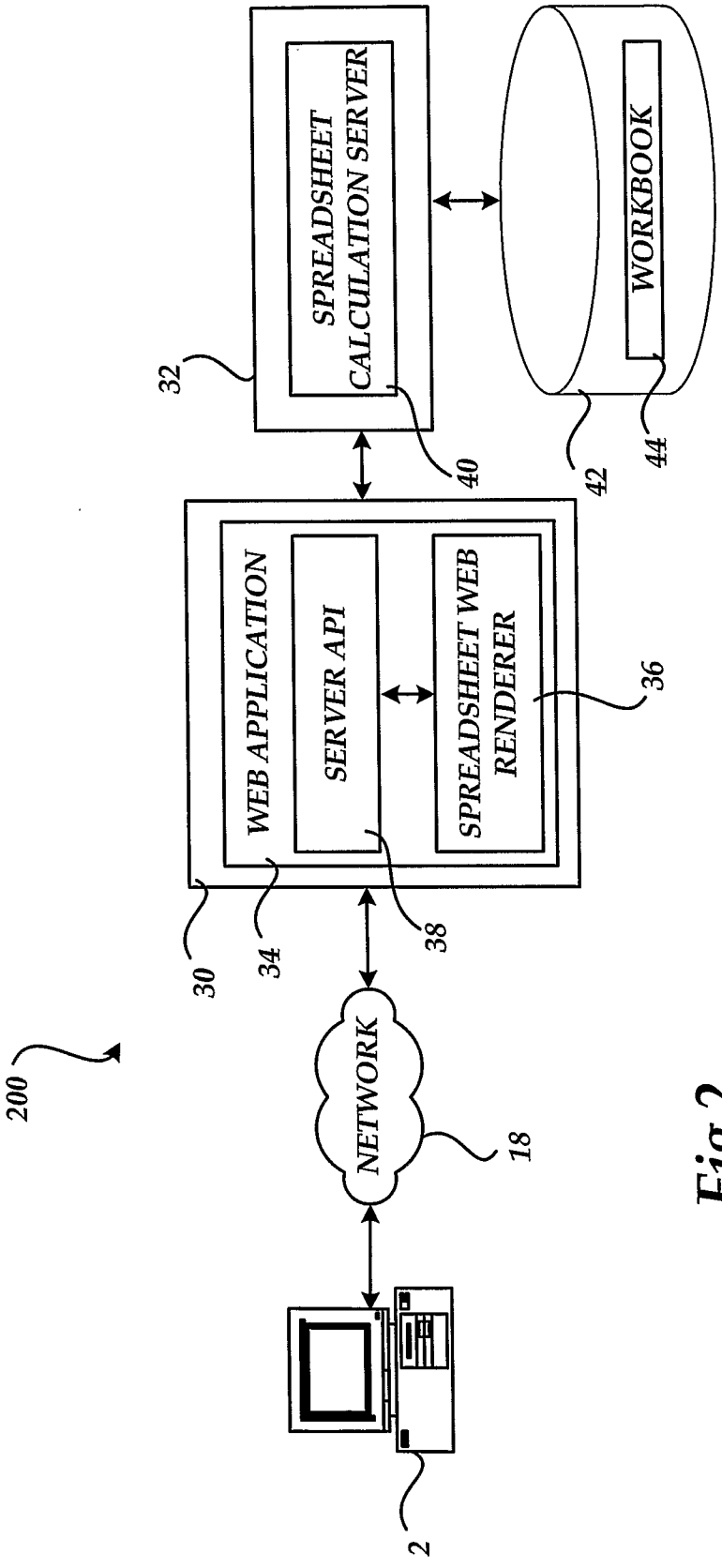

200
NETWORK
18
2
WEB APPLICATION
SERVER API
SPREADSHEET WEB RENDERER
36
30
34
38
SPREADSHEET CALCULATION SERVER
32
40
WORKBOOK
42
44

Fig.2.

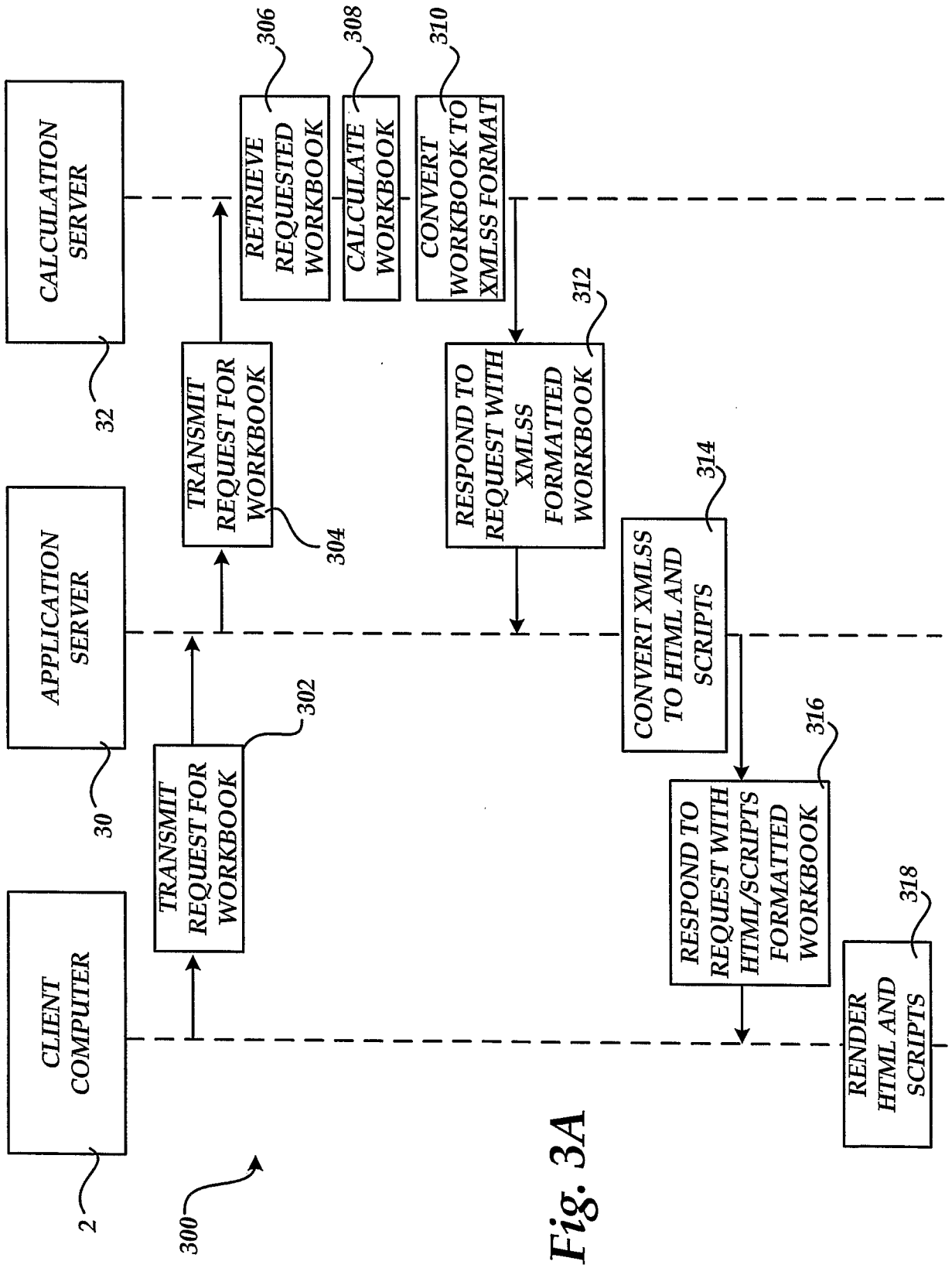

CLIENT COMPUTER
2
APPLICATION SERVER
30
CALCULATION SERVER
32
300
TRANSMIT REQUEST FOR WORKBOOK
302
TRANSMIT REQUEST FOR WORKBOOK
304
RETRIEVE REQUESTED WORKBOOK
306
CALCULATE WORKBOOK
308
CONVERT WORKBOOK TO XMLSS FORMAT
310
RESPOND TO REQUEST WITH XMLSS FORMATTED WORKBOOK
312
CONVERT XMLSS TO HTML AND SCRIPTS
314
RESPOND TO REQUEST WITH HTML/SCRIPTS FORMATTED WORKBOOK
316
RENDER HTML AND SCRIPTS
318

Fig. 3A

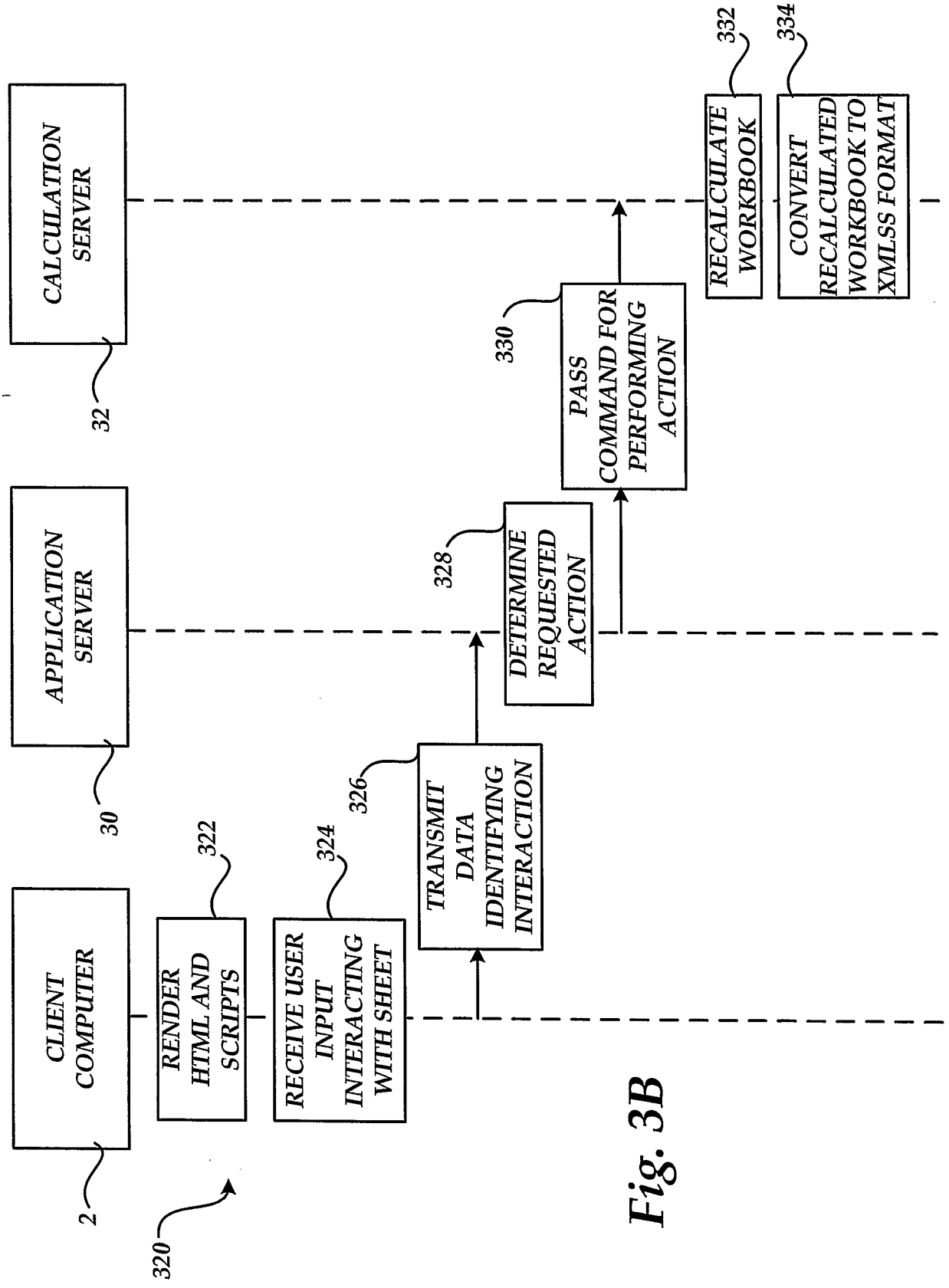

CLIENT COMPUTER
APPLICATION SERVER
CALCULATION SERVER
2
30
32
320
RENDER HTML AND SCRIPTS
322
RECEIVE USER INPUT INTERACTING WITH SHEET
324
TRANSMIT DATA IDENTIFYING INTERACTION
326
DETERMINE REQUESTED ACTION
328
PASS COMMAND FOR PERFORMING ACTION
330
RECALCULATE WORKBOOK
332
CONVERT RECALCULATED WORKBOOK TO XMLSS FORMAT
334

Fig. 3B

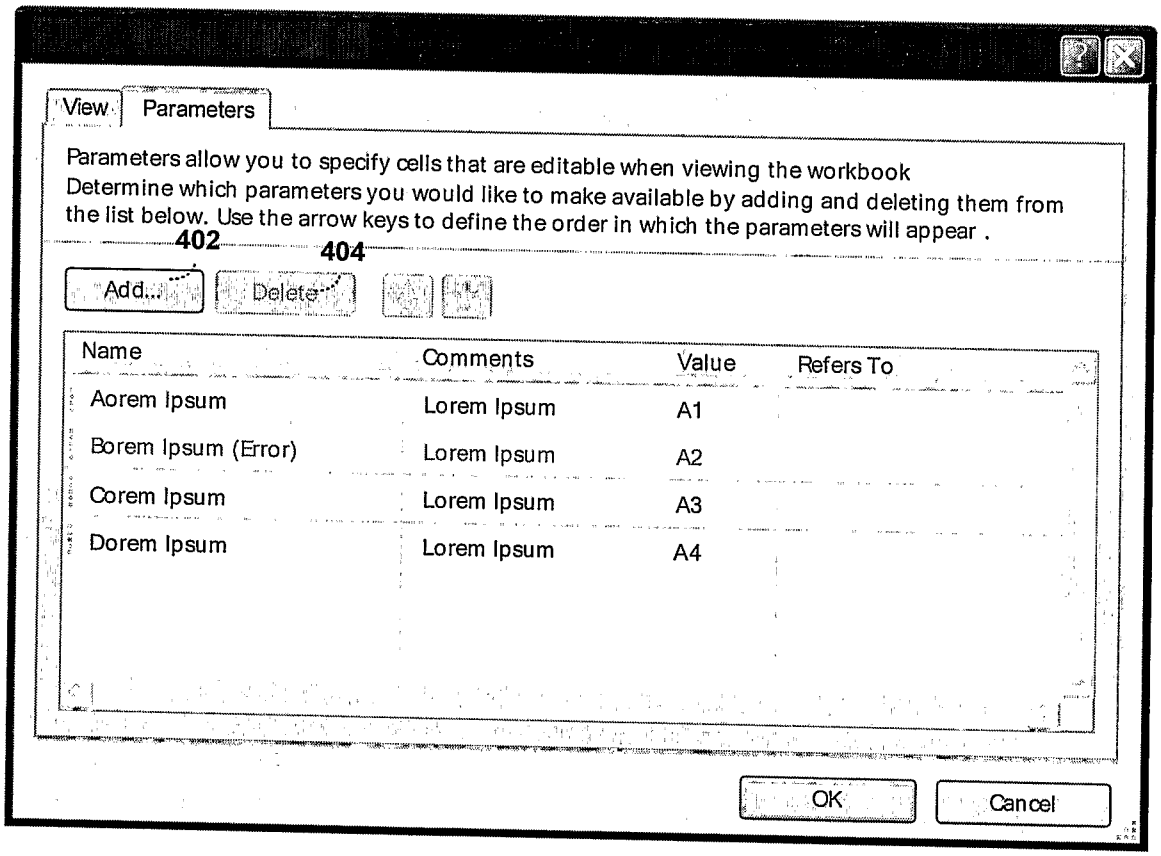
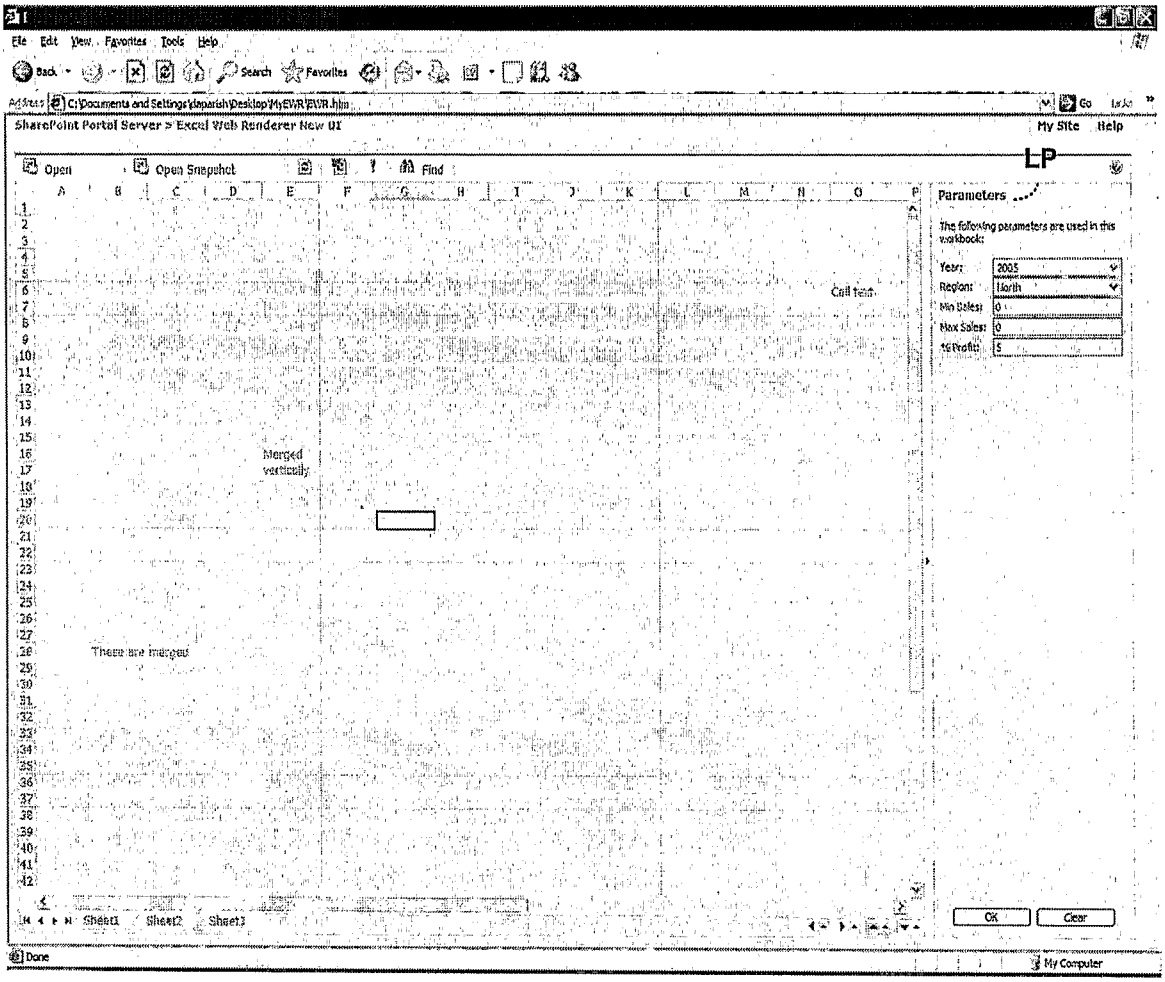

View
Parameters
Parameters allow you to specify cells that are editable when viewing the workbook
Determine which parameters you would like to make available by adding and deleting them from the list below. Use the arrow keys to define the order in which the parameters will appear .
402
404
Add...
Delete
Name
Comments
Value
Refers To
Aorem Ipsum
Lorem Ipsum
A1
Borem Ipsum (Error)
Lorem Ipsum
A2
Corem Ipsum
Lorem Ipsum
A3
Dorem Ipsum
Lorem Ipsum
A4
OK
Cancel
400

Fig. 4A


File Edit View Favorites Tools Help
Back Search Favorites
SharePoint Portal Server > Excel Web Renderer New UI
My Site Help
Open
Open Snapshot
Find
LP
Parameters
The following parameters are used in this workbook:
Year:
Region:
Min Sales:
Max Sales:
% Profit:
Call text
Merged vertically
These are merged
Sheet1 Sheet2 Sheet3
OK
Clear
Done
My Computer

410

Fig. 4B

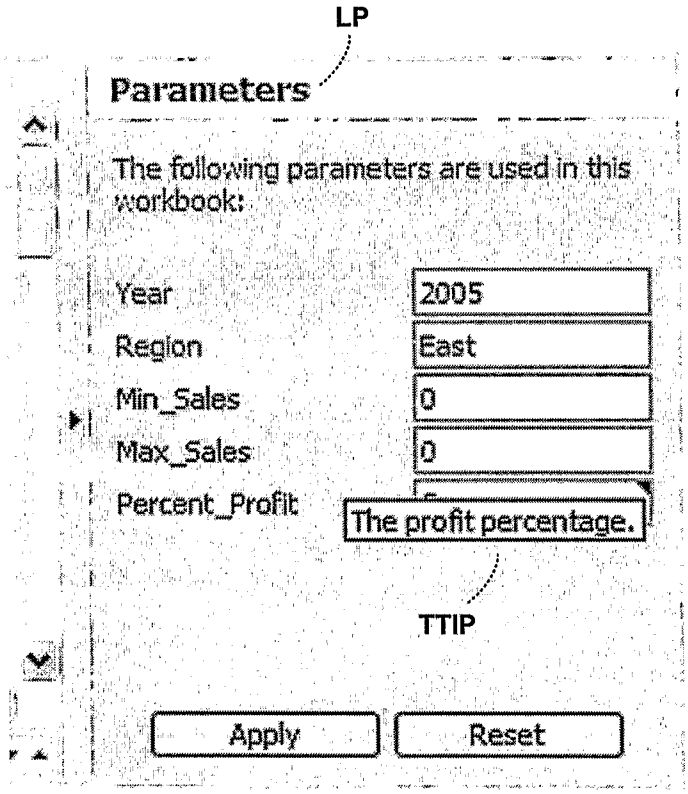

LP
Parameters
The following parameters are used in this workbook:
Year
2005
Region
East
Min_Sales
0
Max_Sales
0
Percent_Profit
The profit percentage.
TTIP
Apply
Reset

Fig. 4C

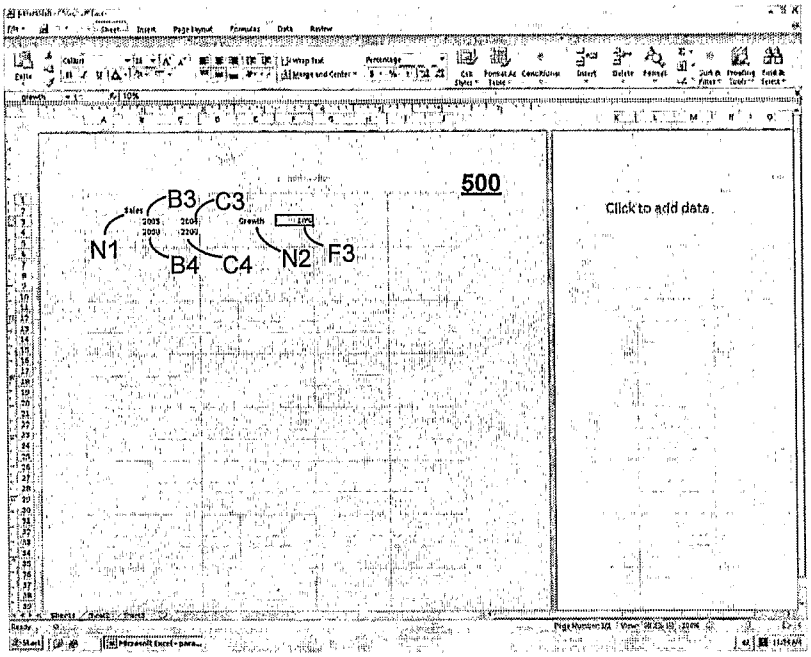

500
B3
C3
N1
B4
C4
N2
F3
Click to add data

Fig. 5A

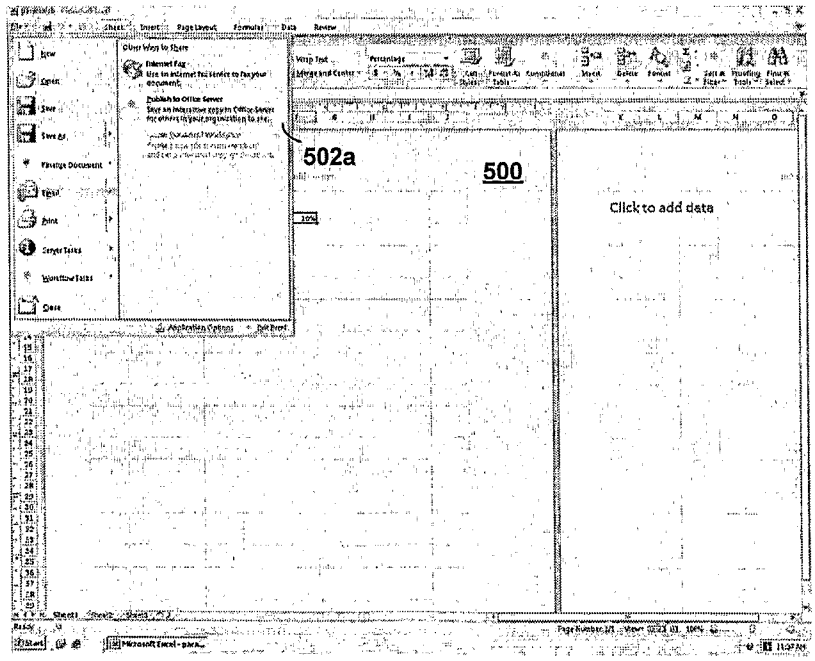

502a
500
Click to add data

Fig. 5B

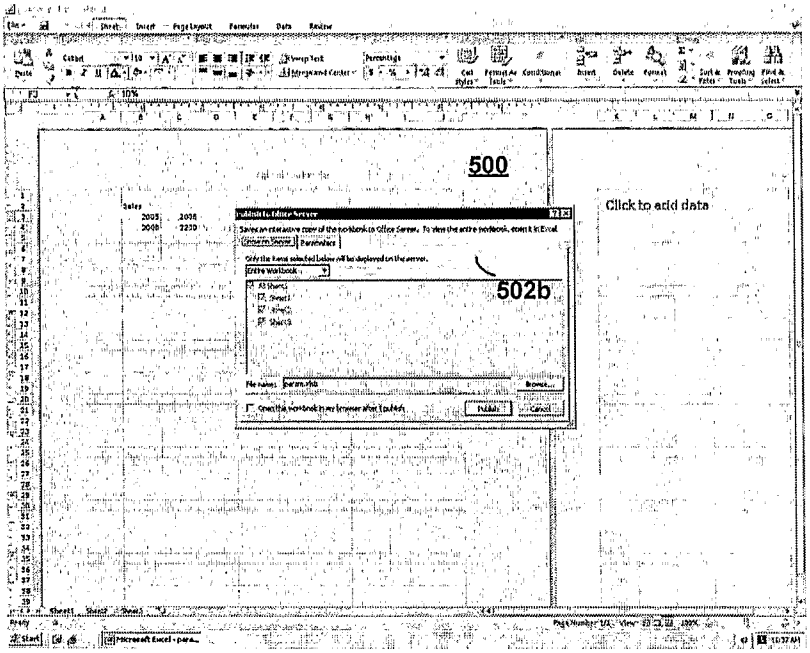


Fig. 5C

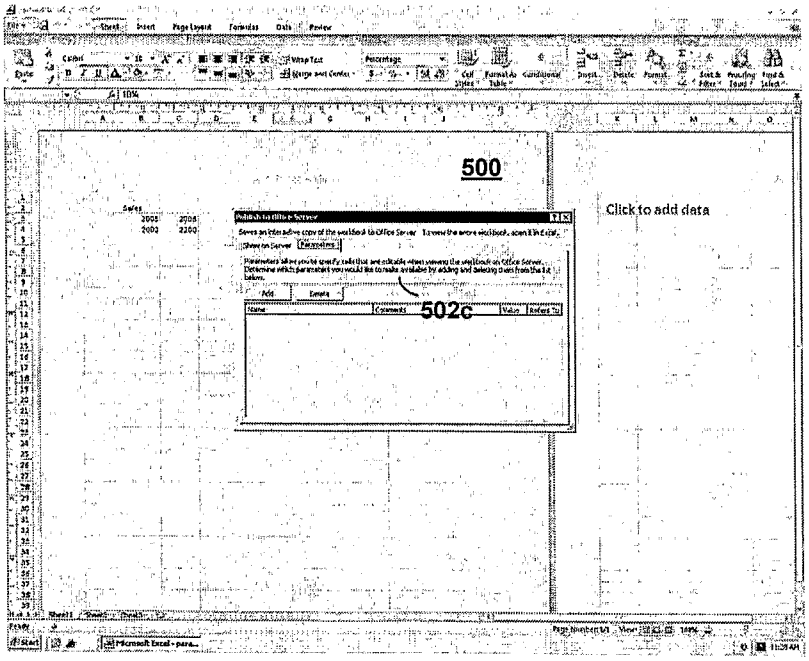


Fig. 5D

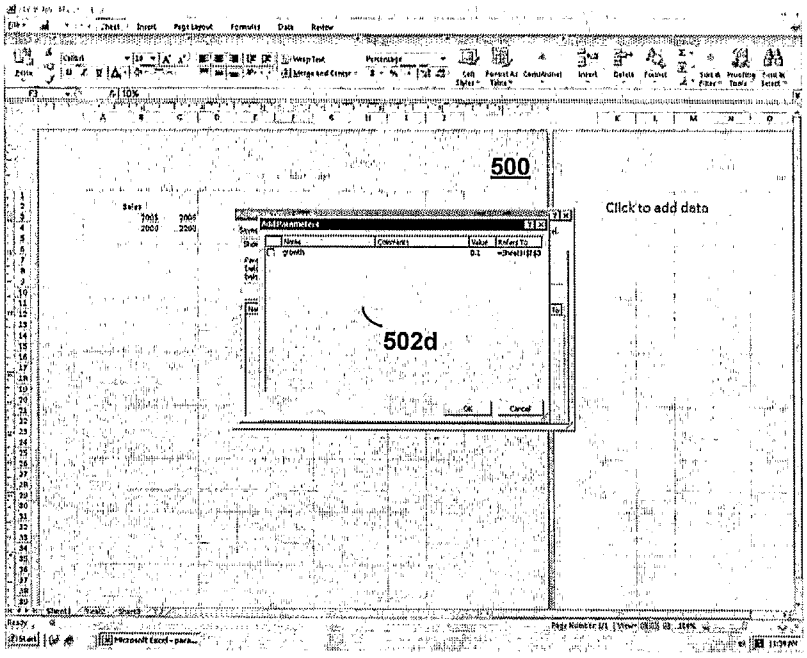


Fig. 5E

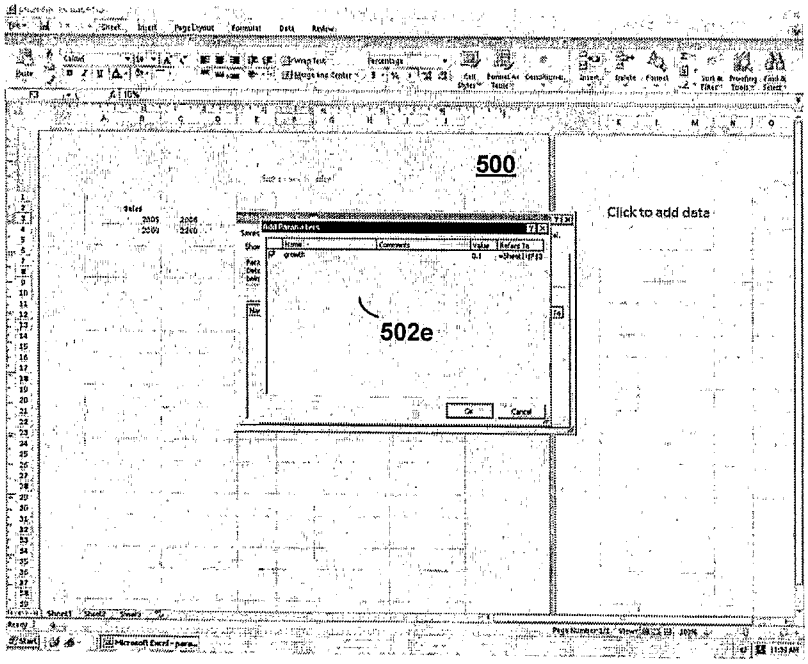


Fig. 5F

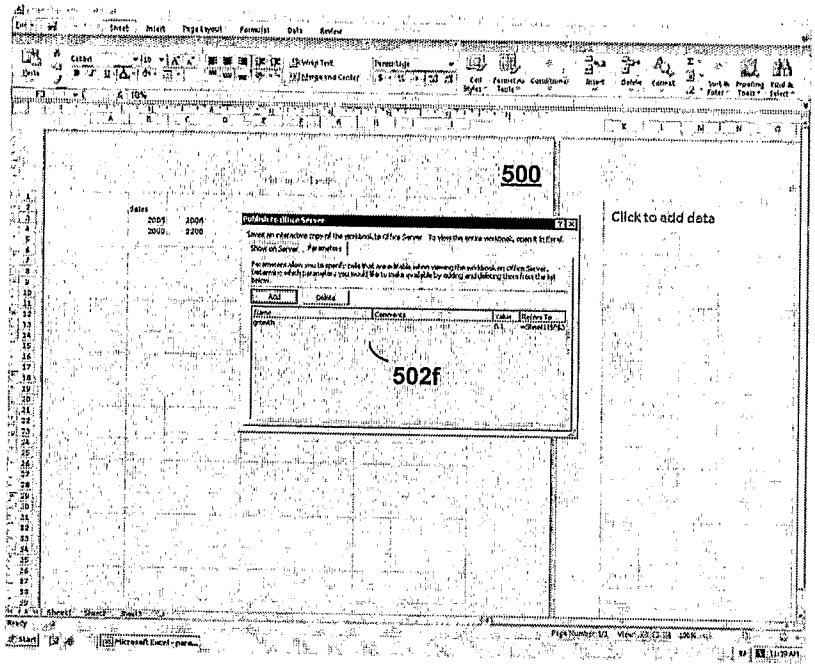


Fig. 5G

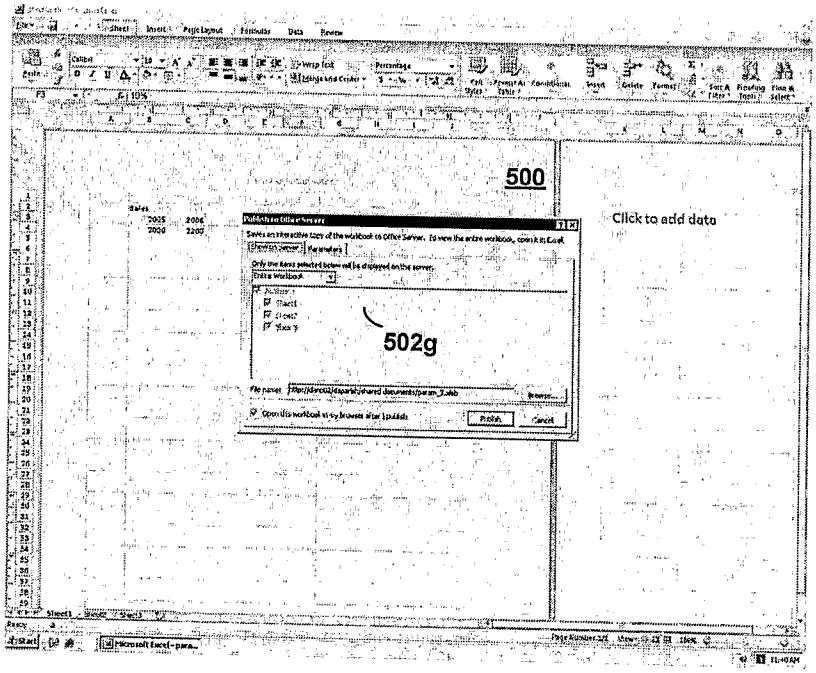


Fig. 5H

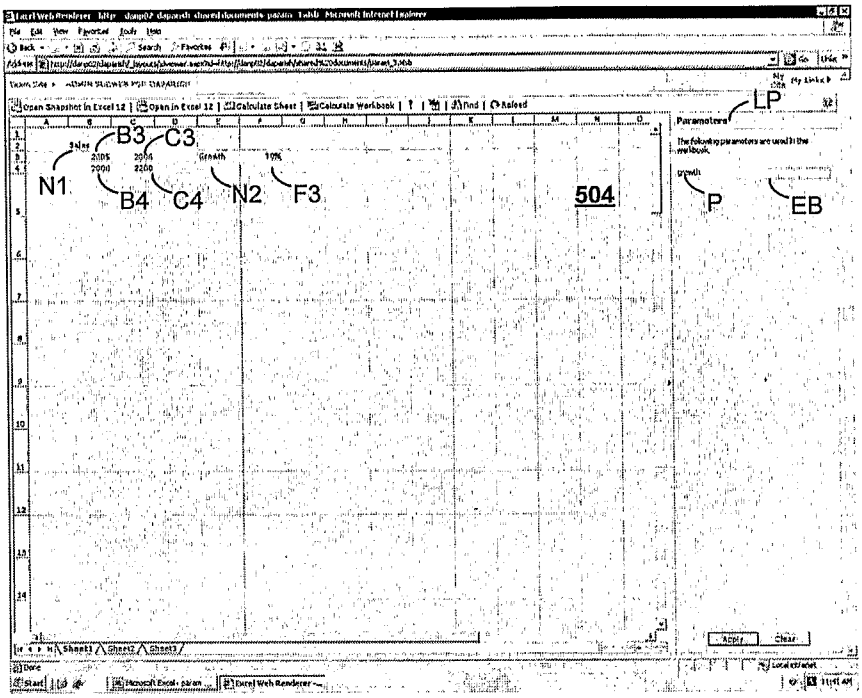


Fig. 5I

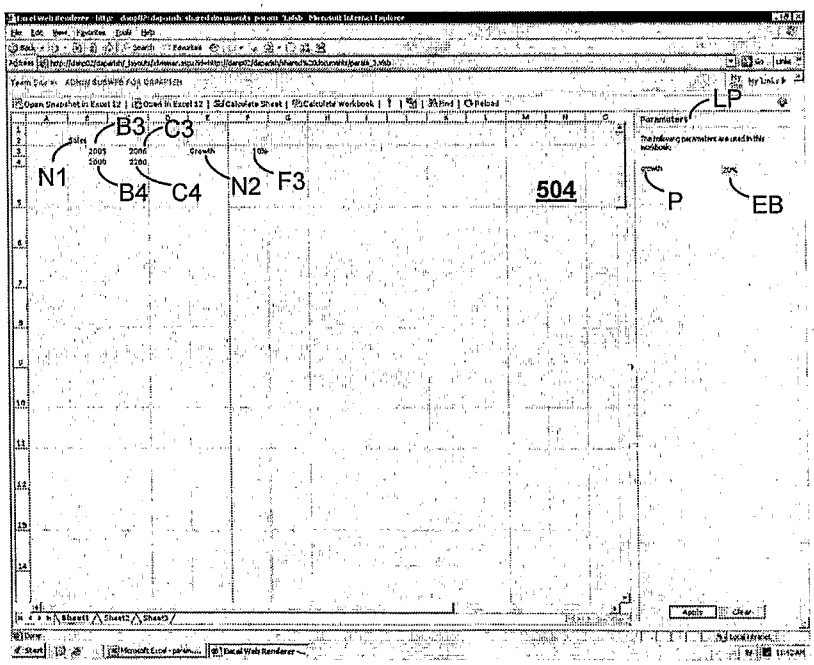


Fig. 5J

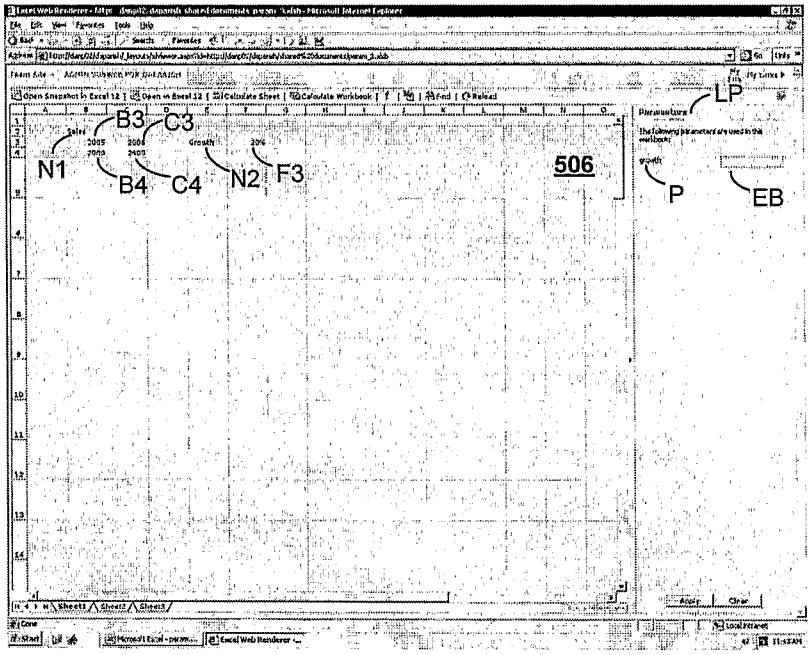


Fig. 5K

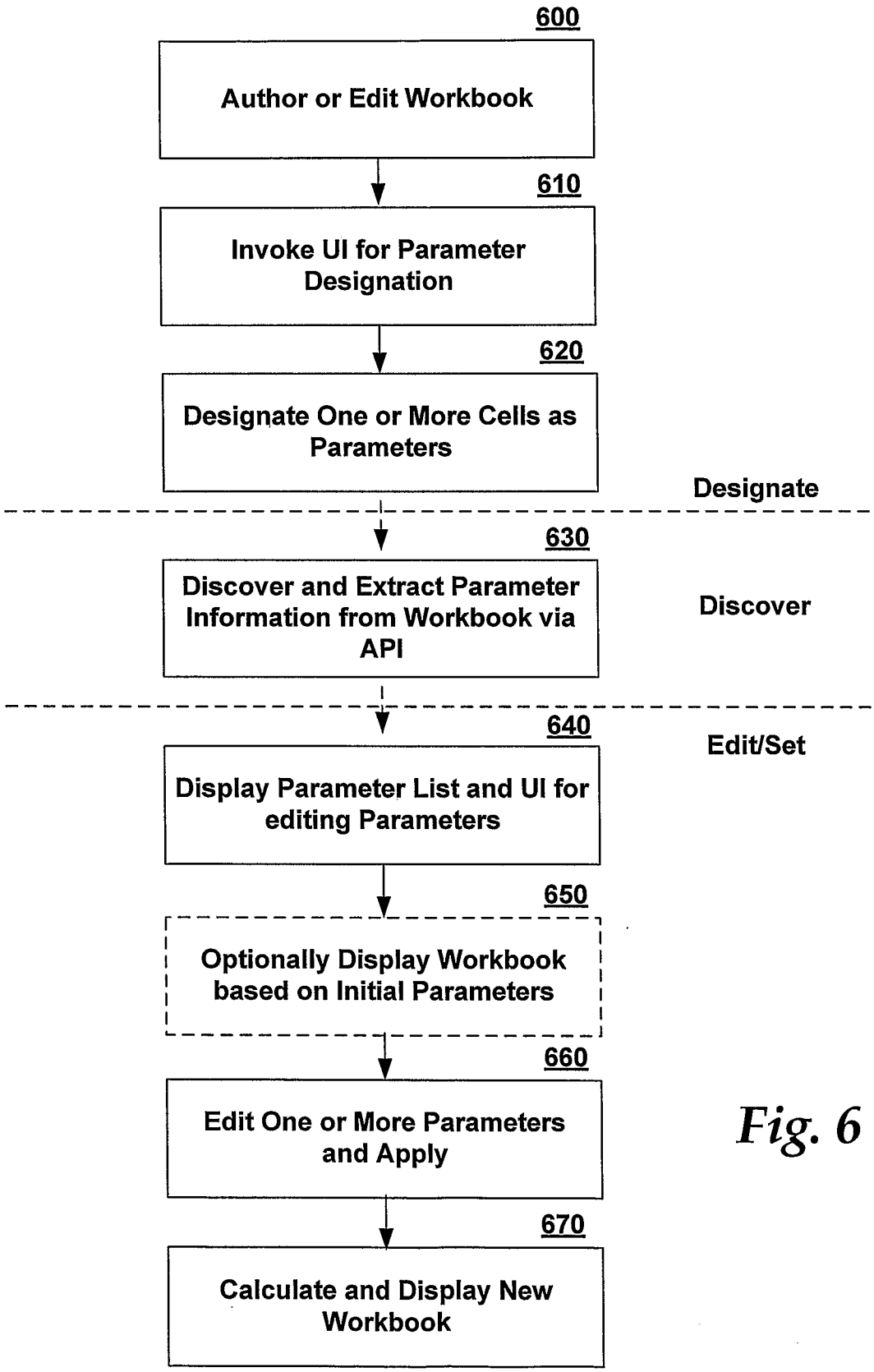

600
Author or Edit Workbook
610
Invoke UI for Parameter Designation
620
Designate One or More Cells as Parameters
Designate
630
Discover and Extract Parameter Information from Workbook via API
Discover
640
Display Parameter List and UI for editing Parameters
Edit/Set
650
Optionally Display Workbook based on Initial Parameters
660
Edit One or More Parameters and Apply
670
Calculate and Display New Workbook

Fig. 6

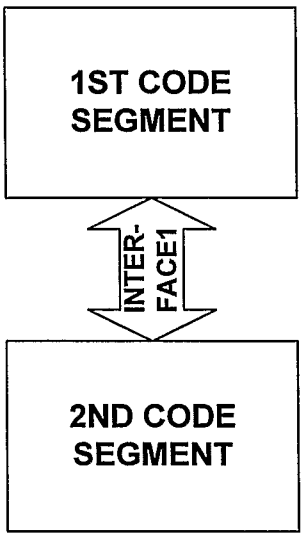


FIGURE 7A

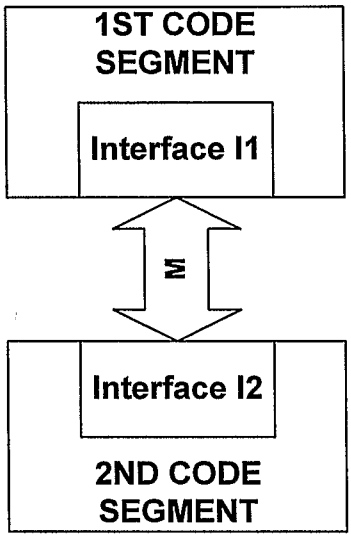


FIGURE 7B

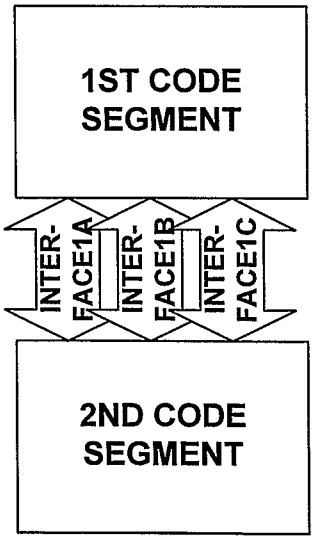


FIGURE 8A

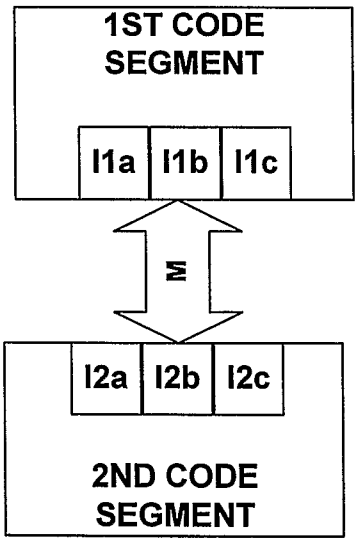


FIGURE 8B

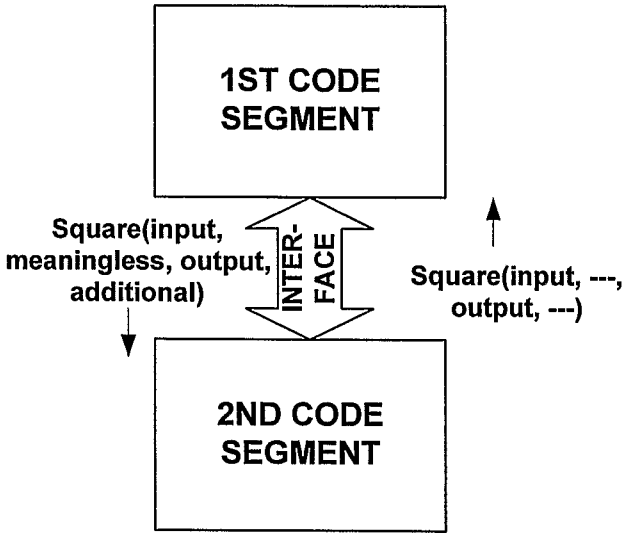


FIGURE 9A

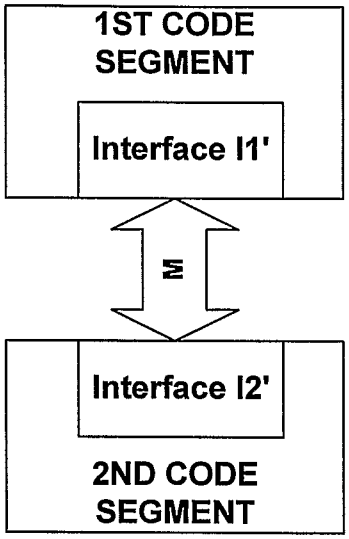


FIGURE 9B

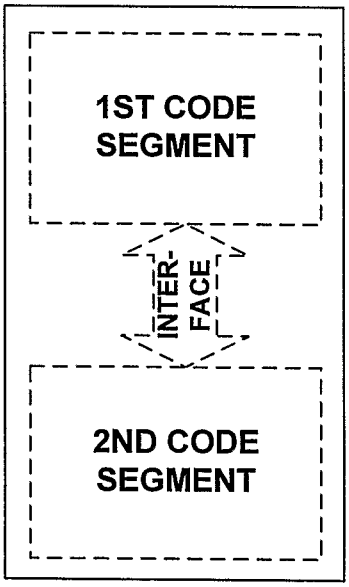


FIGURE 10A

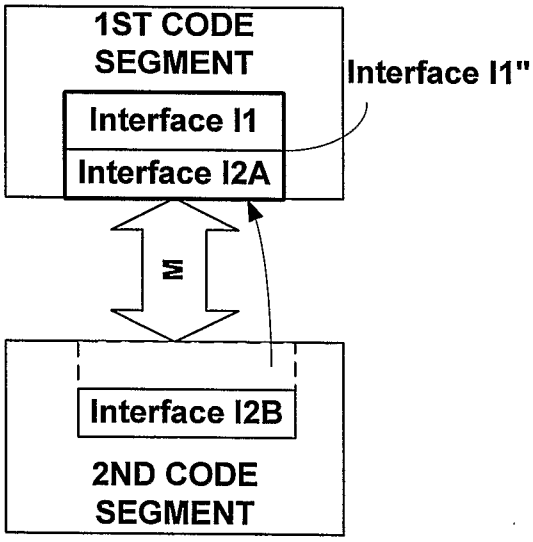


FIGURE 10B

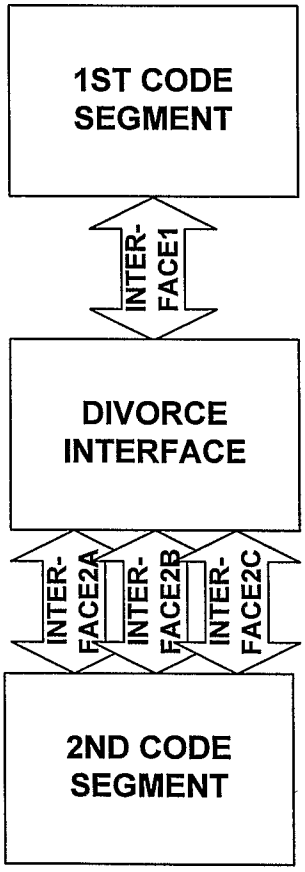


FIGURE 11A

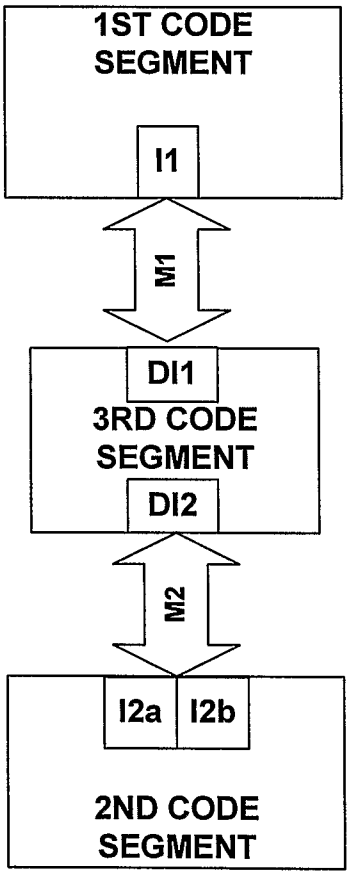


FIGURE 11B

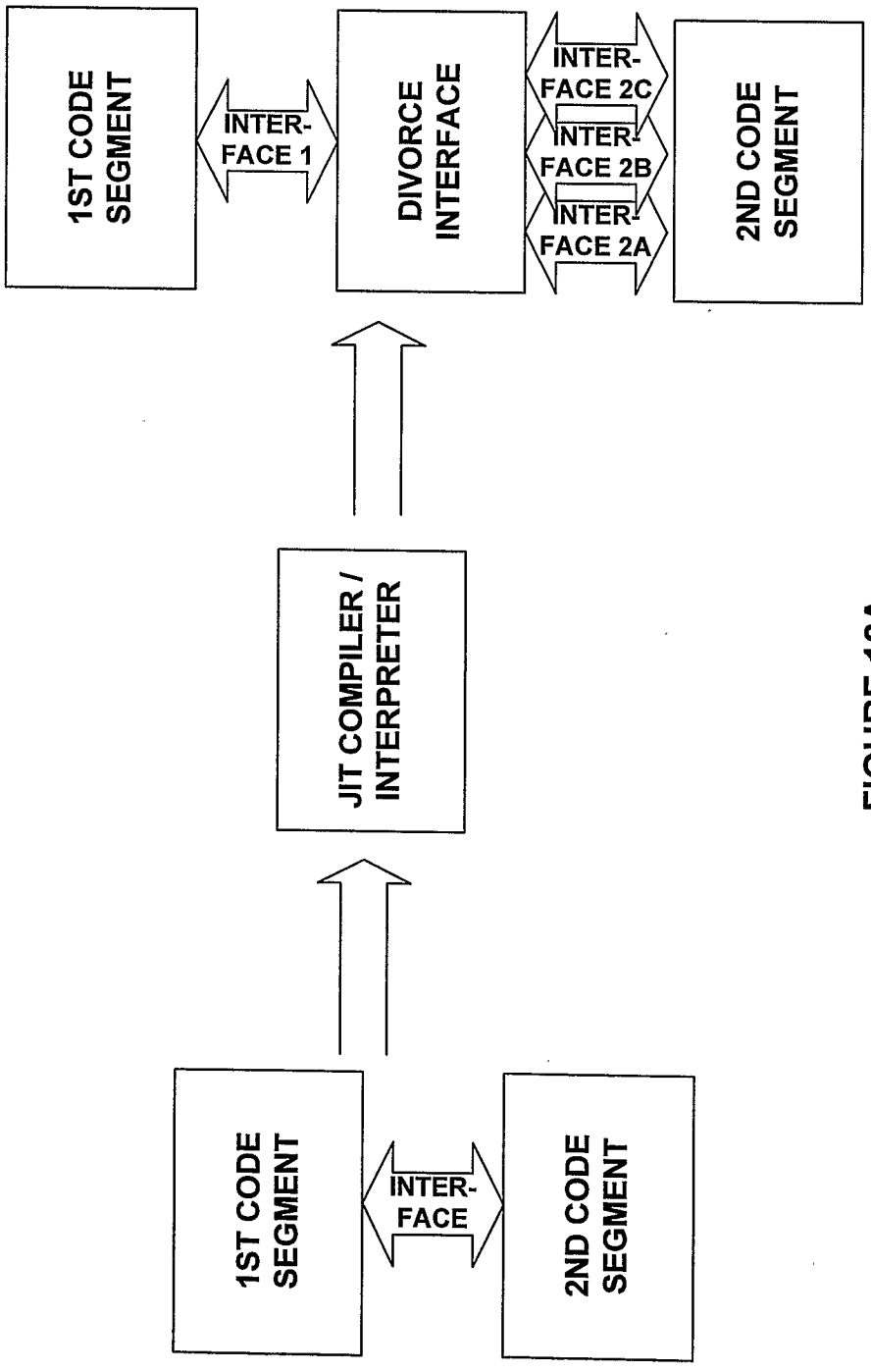

1ST CODE SEGMENT
INTER-FACE 1
DIVORCE INTERFACE
INTER-FACE 2C
INTER-FACE 2B
INTER-FACE 2A
2ND CODE SEGMENT
JIT COMPILER / INTERPRETER
1ST CODE SEGMENT
INTER-FACE
2ND CODE SEGMENT

FIGURE 12A

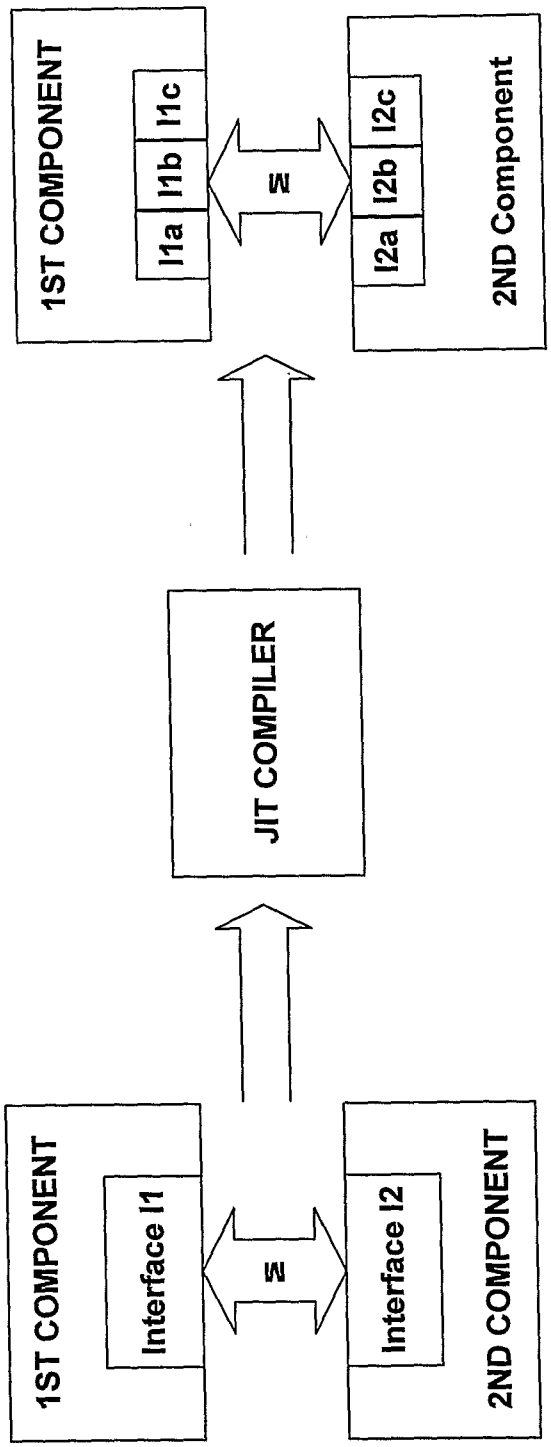

1ST COMPONENT
I1a
I1b
I1c
≅
I2a
I2b
I2c
2ND Component
JIT COMPILER
1ST COMPONENT
Interface I1
≅
Interface I2
2ND COMPONENT

FIGURE 12B