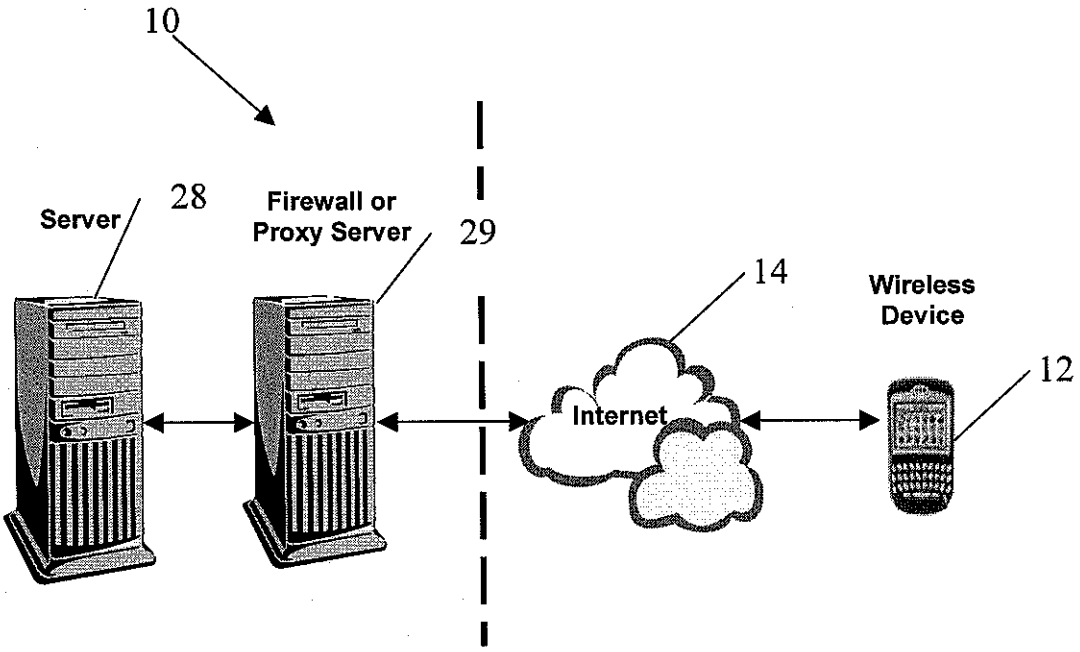

10
Server
28
Firewall or
Proxy Server
29
14
Internet
Wireless
Device
12

Figure 1

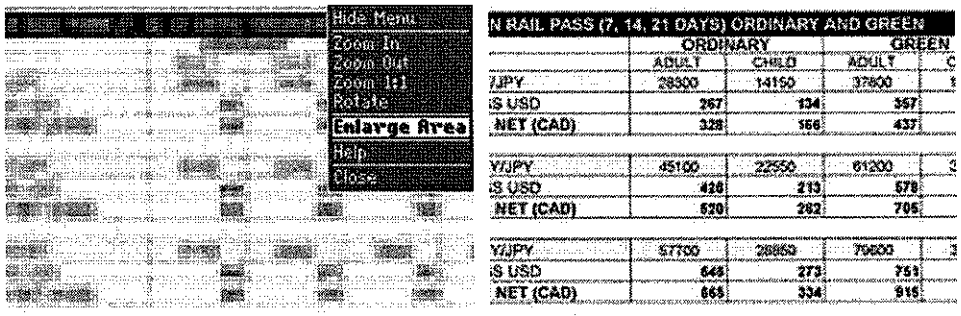

Hide Menu
Zoom In
Zoom Out
Zoom 1:1
Rotate
Enlarge Area
Help
Close
N RAIL PASS (7, 14, 21 DAYS) ORDINARY AND GREEN
ORDINARY
GREEN
ADULT
CHILD
ADULT
/JPY
28300
14150
37800
S USD
267
134
357
NET (CAD)
328
166
437
Y/JPY
45100
22550
61200
S USD
426
213
578
NET (CAD)
520
262
705
Y/JPY
57700
28850
79800
S USD
648
273
751
NET (CAD)
665
334
915

Figure 2

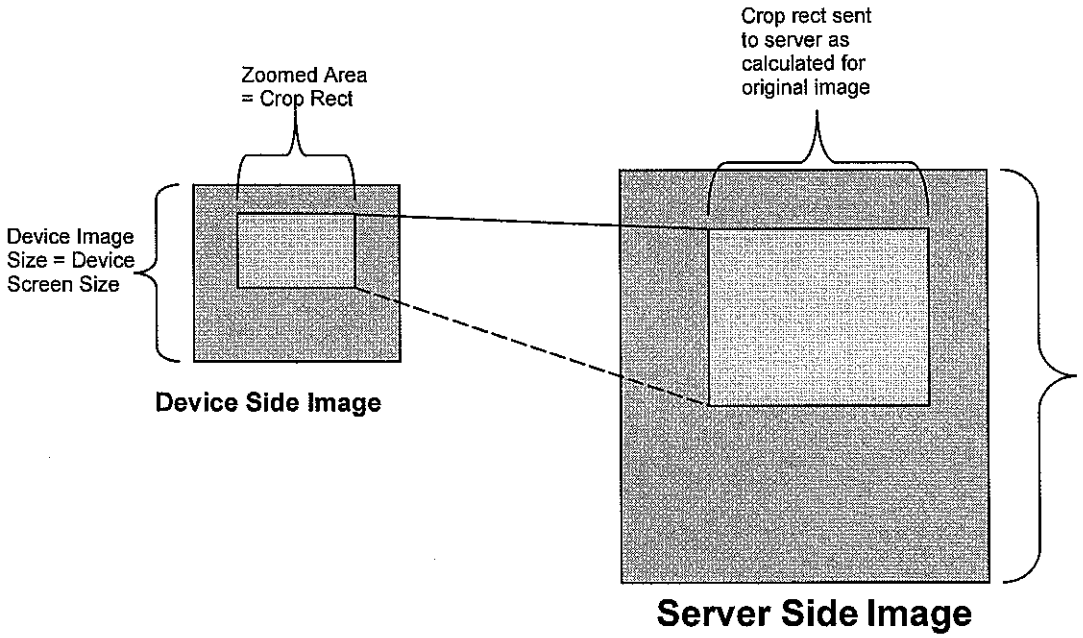

Crop rect sent
to server as
calculated for
original image
Zoomed Area
= Crop Rect
Device Image
Size = Device
Screen Size
Device Side Image
Server Side Image

Figure 3

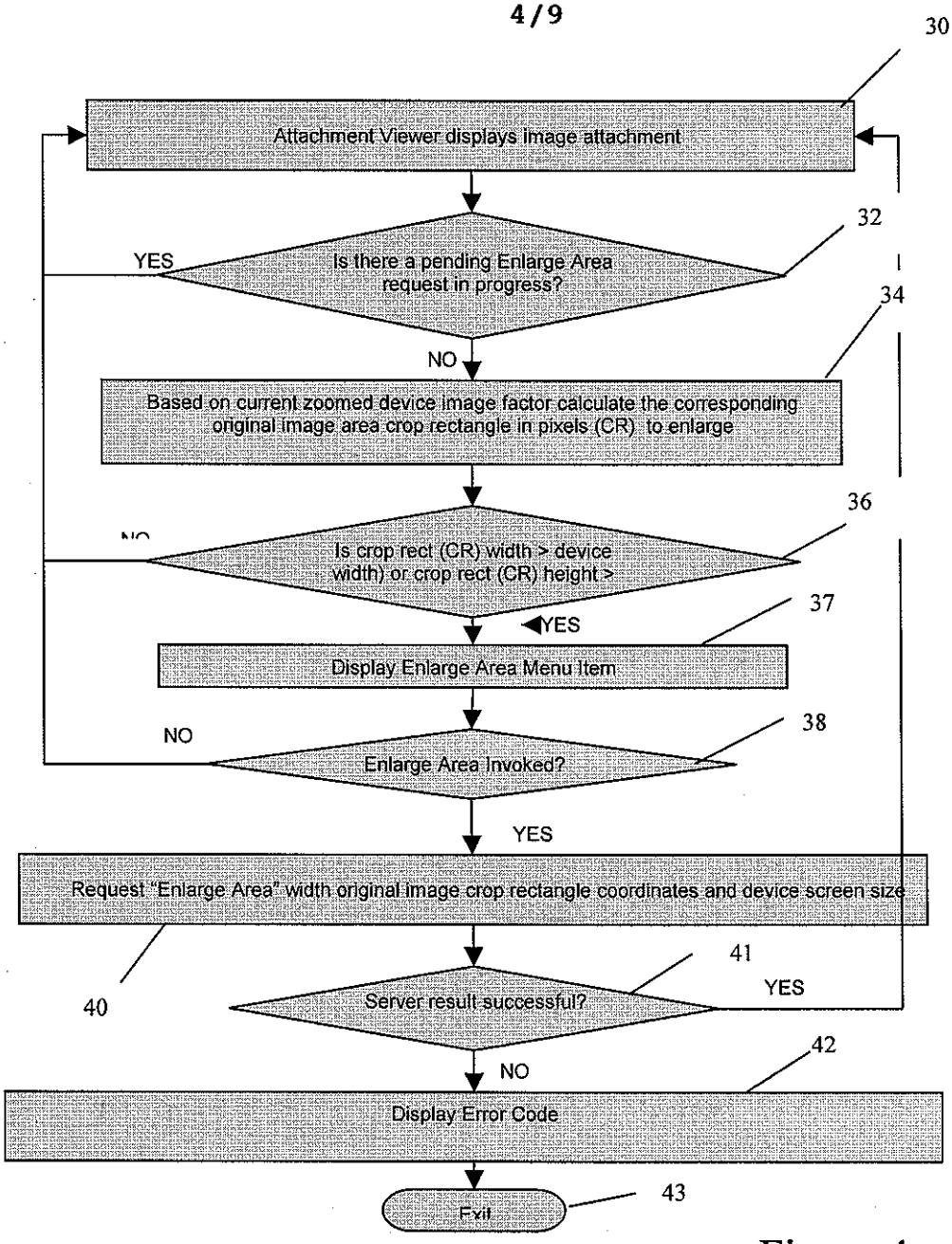

30
Attachment Viewer displays image attachment
32
YES
Is there a pending Enlarge Area request in progress?
34
NO
Based on current zoomed device image factor calculate the corresponding original image area crop rectangle in pixels (CR) to enlarge
36
Is crop rect (CR) width > device width) or crop rect (CR) height >
37
YES
Display Enlarge Area Menu Item
38
NO
Enlarge Area Invoked?
YES
Request "Enlarge Area" width original image crop rectangle coordinates and device screen size
40
41
YES
Server result successful?
42
NO
Display Error Code
Exit
43

Figure 4

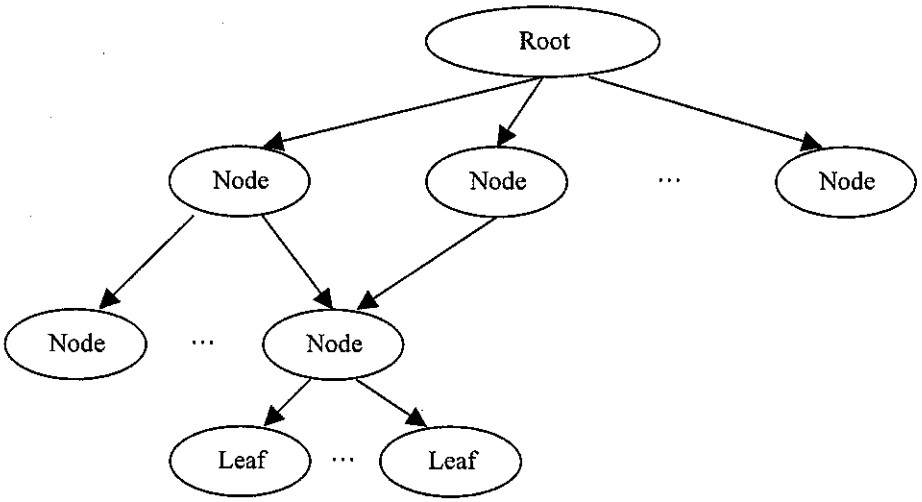


Figure 5

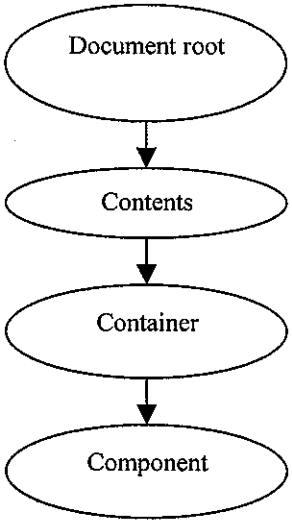


Figure 6

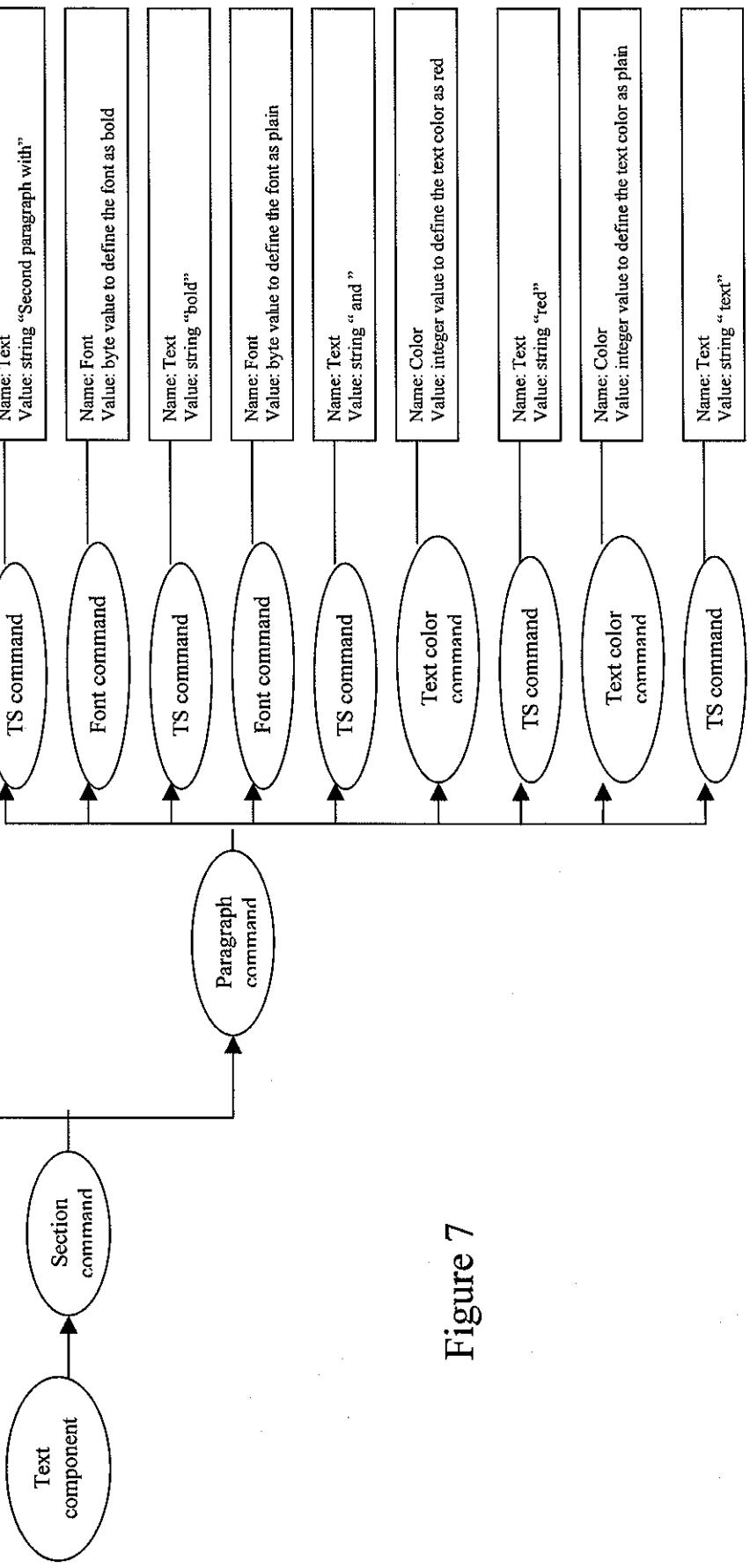

Text component
Section command
Paragraph command
Paragraph command
TS command
Name: Text
Value: "First paragraph"
TS command
Name: Text
Value: string "Second paragraph with"
Font command
Name: Font
Value: byte value to define the font as bold
TS command
Name: Text
Value: string "bold"
Font command
Name: Font
Value: byte value to define the font as plain
TS command
Name: Text
Value: string " and "
Text color command
Name: Color
Value: integer value to define the text color as red
TS command
Name: Text
Value: string "red"
Text color command
Name: Color
Value: integer value to define the text color as plain
TS command
Name: Text
Value: string " text"

Figure 7

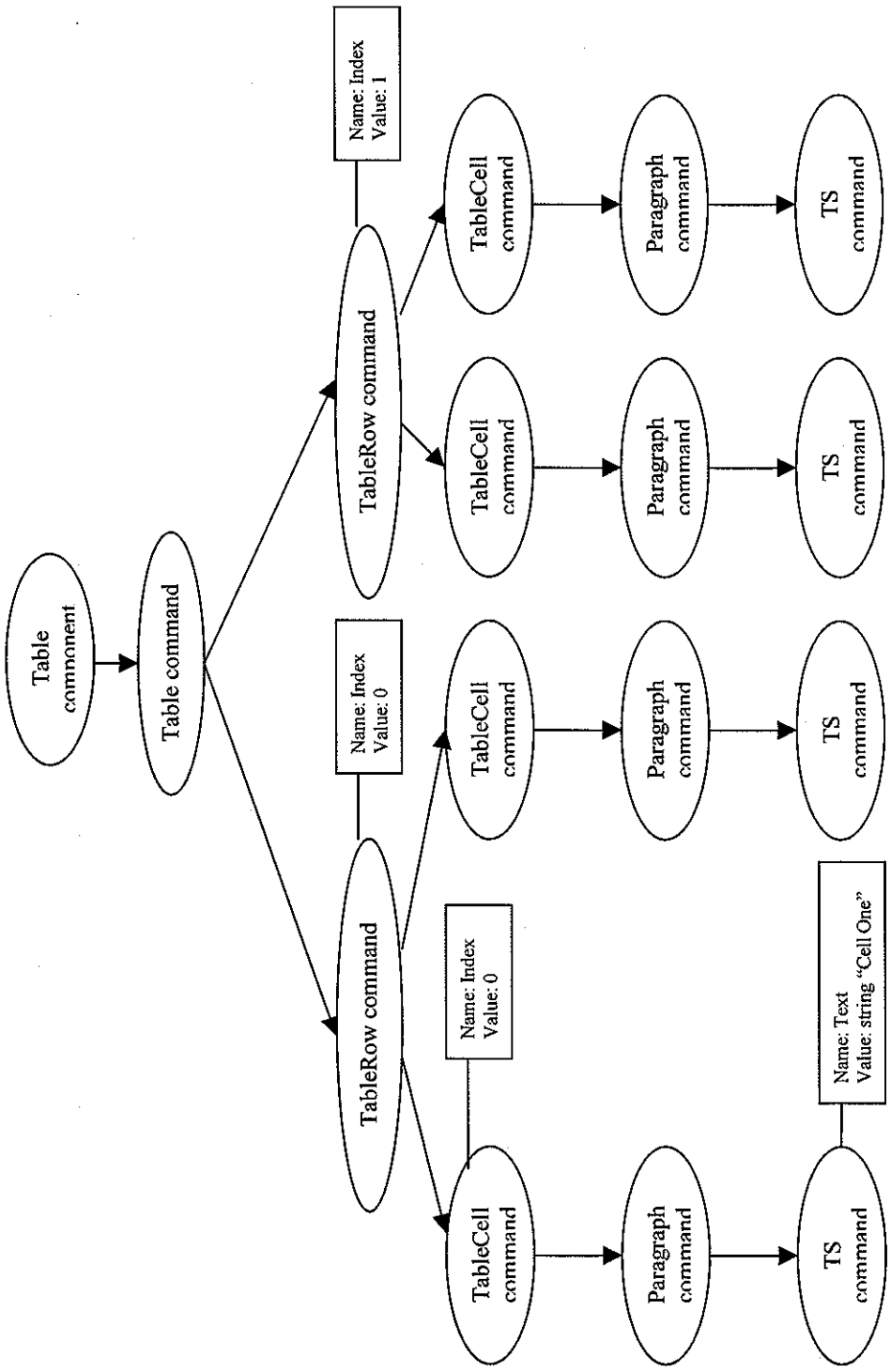

Table component
Table command
TableRow command
Name: Index Value: 1
TableCell command
Paragraph command
TS command
TableRow command
Name: Index Value: 0
TableCell command
Paragraph command
TS command
TableRow command
Name: Index Value: 0
TableCell command
Paragraph command
TS command
Name: Text Value: string "Cell One"

Figure 8

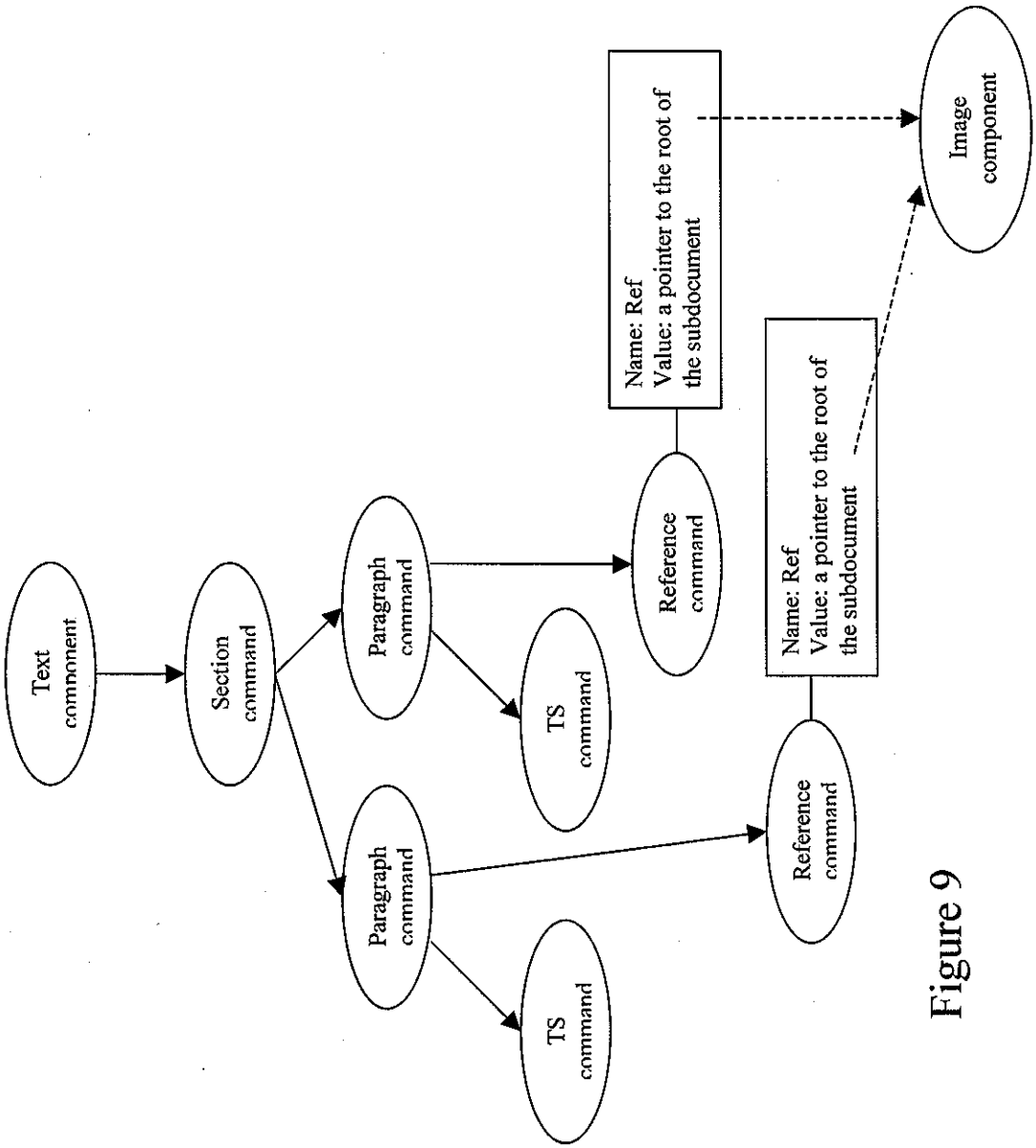

Text component
Section command
Paragraph command
TS command
Paragraph command
TS command
Reference command
Name: Ref
Value: a pointer to the root of the subdocument
Reference command
Name: Ref
Value: a pointer to the root of the subdocument
Image component

Figure 9

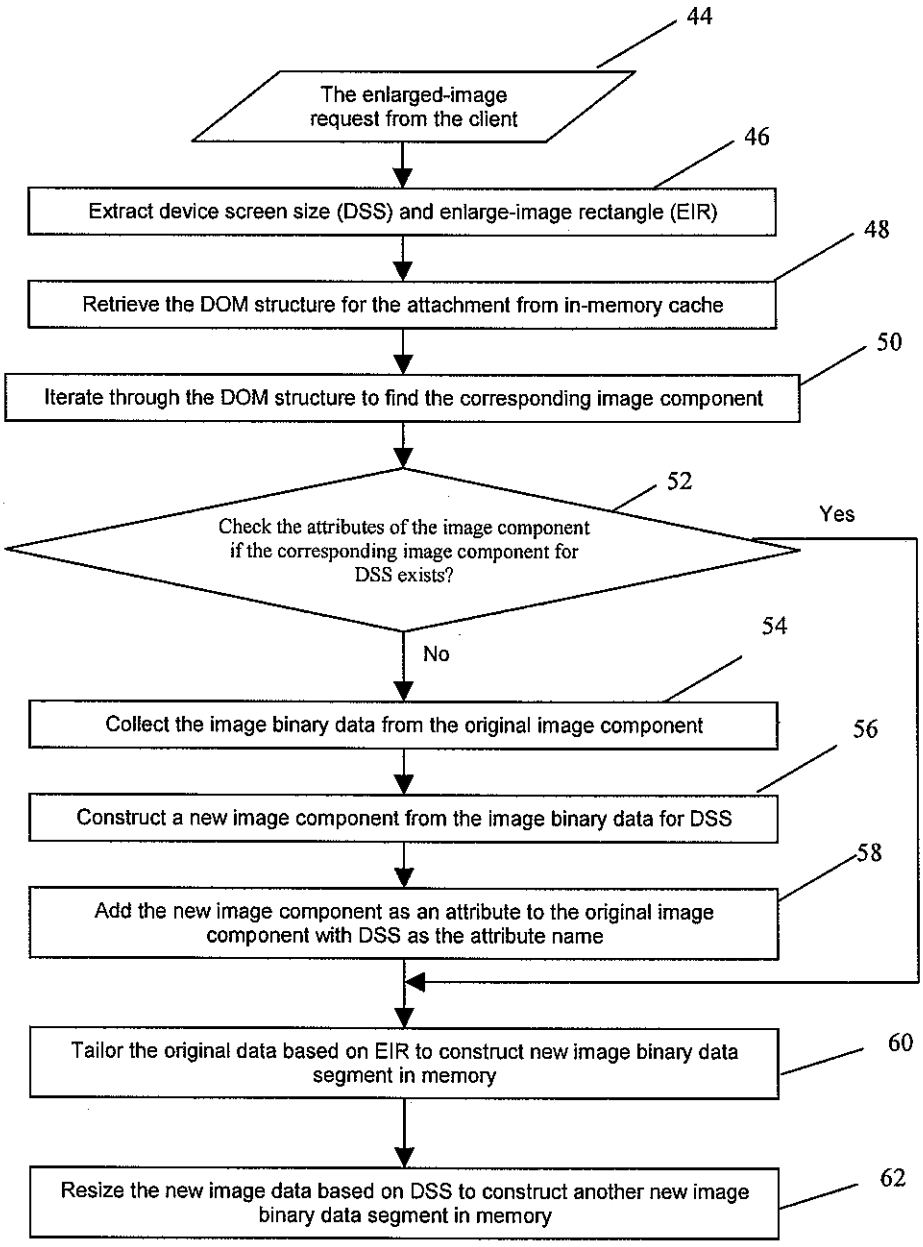

44
The enlarged-image request from the client
46
Extract device screen size (DSS) and enlarge-image rectangle (EIR)
48
Retrieve the DOM structure for the attachment from in-memory cache
50
Iterate through the DOM structure to find the corresponding image component
52
Check the attributes of the image component if the corresponding image component for DSS exists?
Yes
No
54
Collect the image binary data from the original image component
56
Construct a new image component from the image binary data for DSS
58
Add the new image component as an attribute to the original image component with DSS as the attribute name
Tailor the original data based on EIR to construct new image binary data segment in memory
60
Resize the new image data based on DSS to construct another new image binary data segment in memory
62

Figure 10