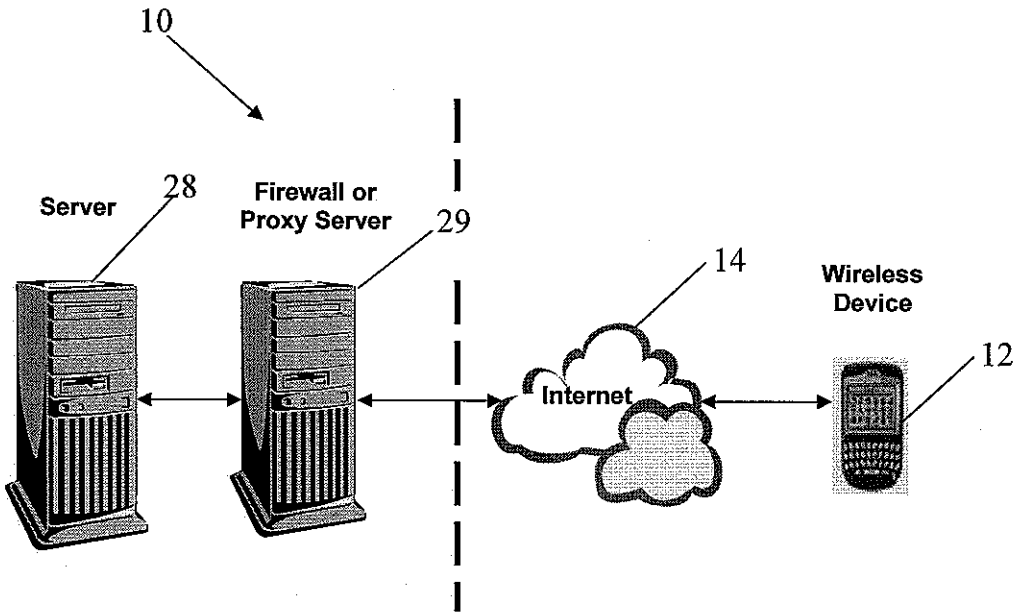

10
Server
28
Firewall or
Proxy Server
29
14
Internet
Wireless
Device
12

Fig. 1

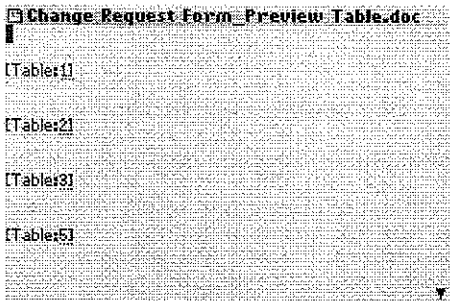


Fig. 2 (PRIOR ART)

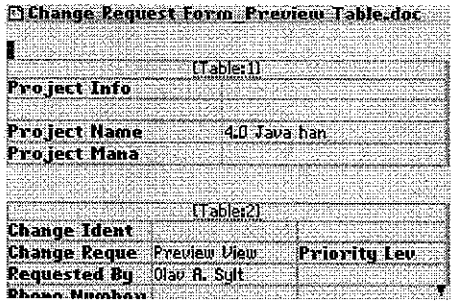
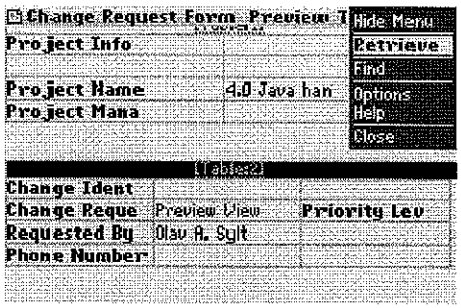


Fig. 3



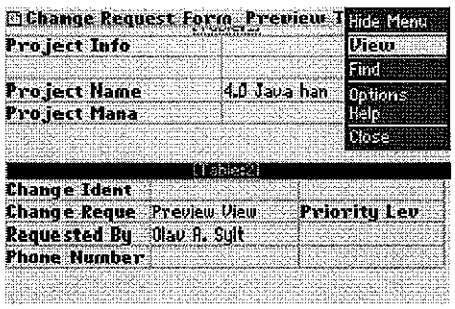


Fig. 4A Fig 4B

Table:2

	A	
1	Change Identification	
2	Change Request:	Preview View of emb
3	Requested By:	Olav A. Sylthe
4	Phone Number:	
5	Date Identified:	August 4, 2004
6	Date Required:	N/A

Fig. 5

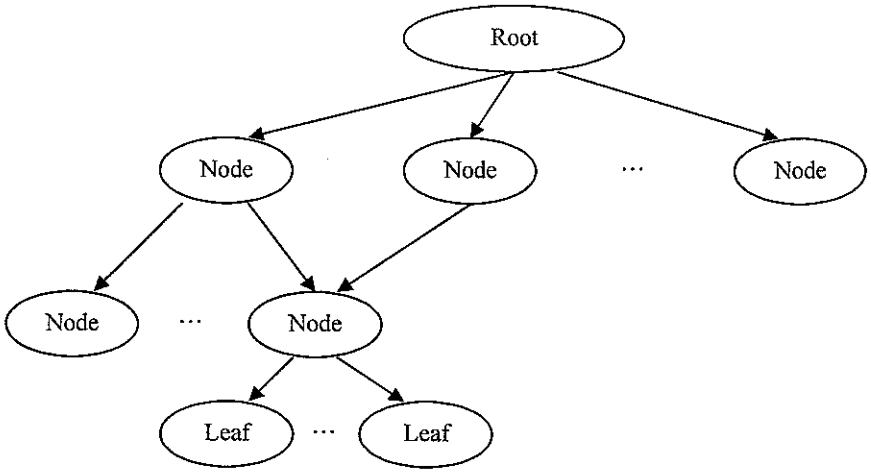


Figure 6

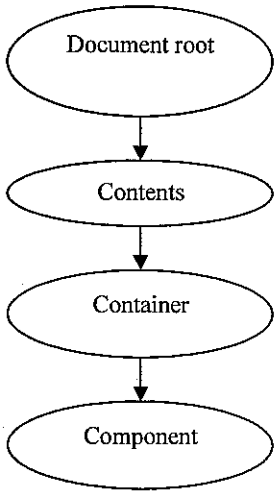


Figure 7

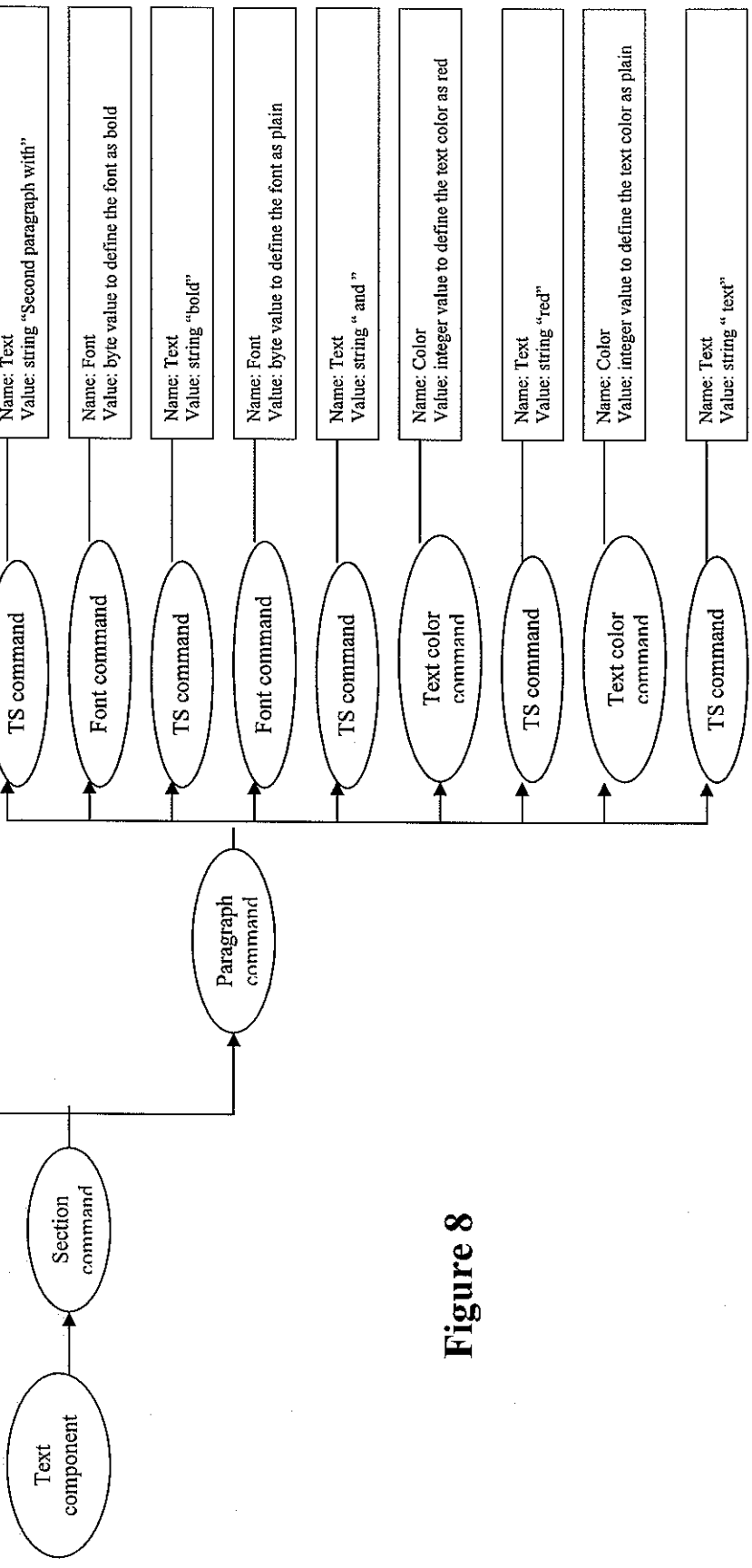

Text component
Section command
Paragraph command
TS command
Name: Text
Value: "First paragraph"
Paragraph command
TS command
Name: Text
Value: string "Second paragraph with"
Font command
Name: Font
Value: byte value to define the font as bold
TS command
Name: Text
Value: string "bold"
Font command
Name: 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 8

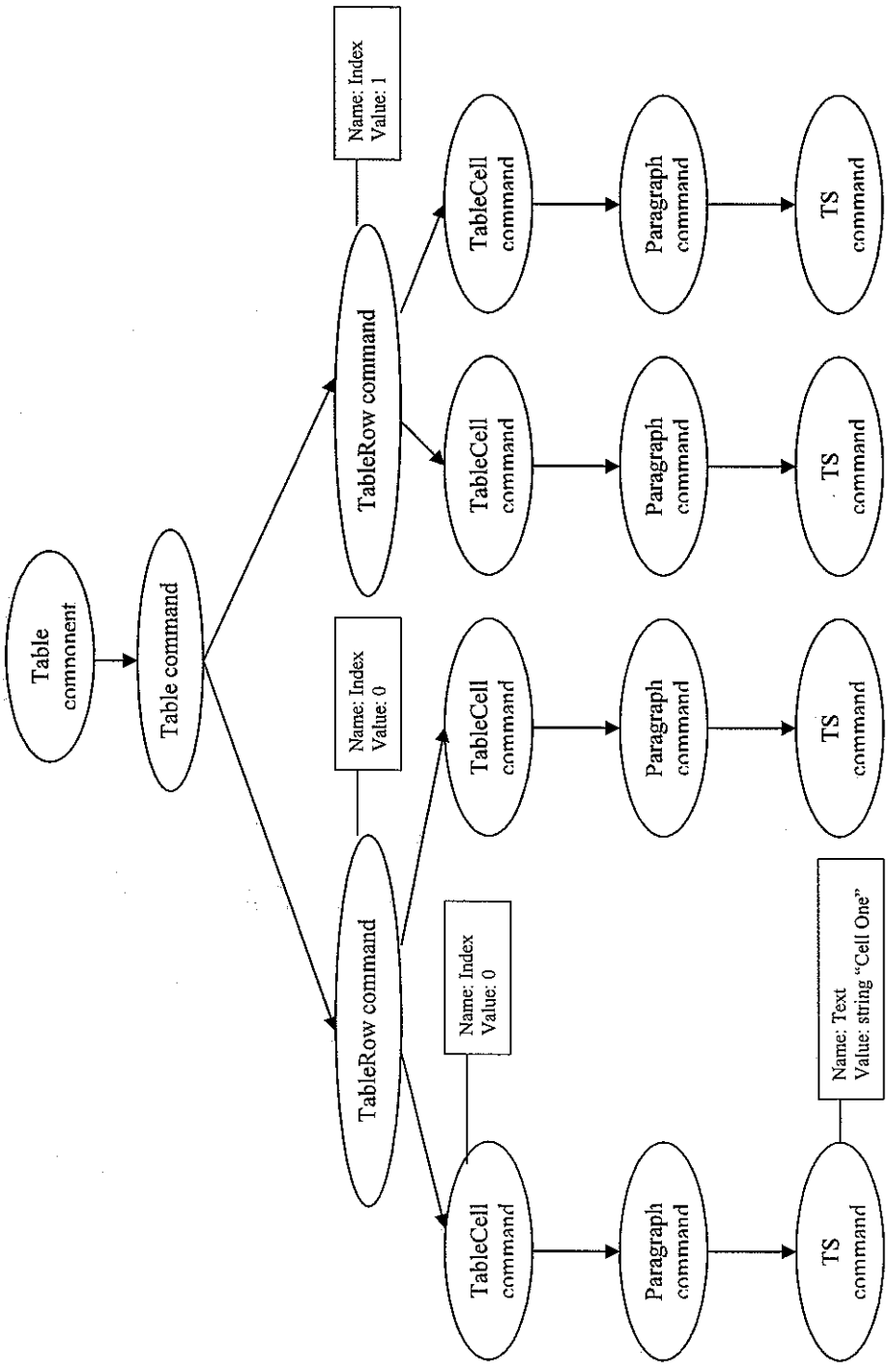

Table component
Table command
TableRow command
Name: Index
Value: 0
TableCell command
Paragraph command
TS command
Name: Index
Value: 1
TableRow command
Name: Index
Value: 0
TableCell command
Paragraph command
TS command
Name: Text
Value: string "Cell One"
TableCell command
Paragraph command
TS command

Figure 9

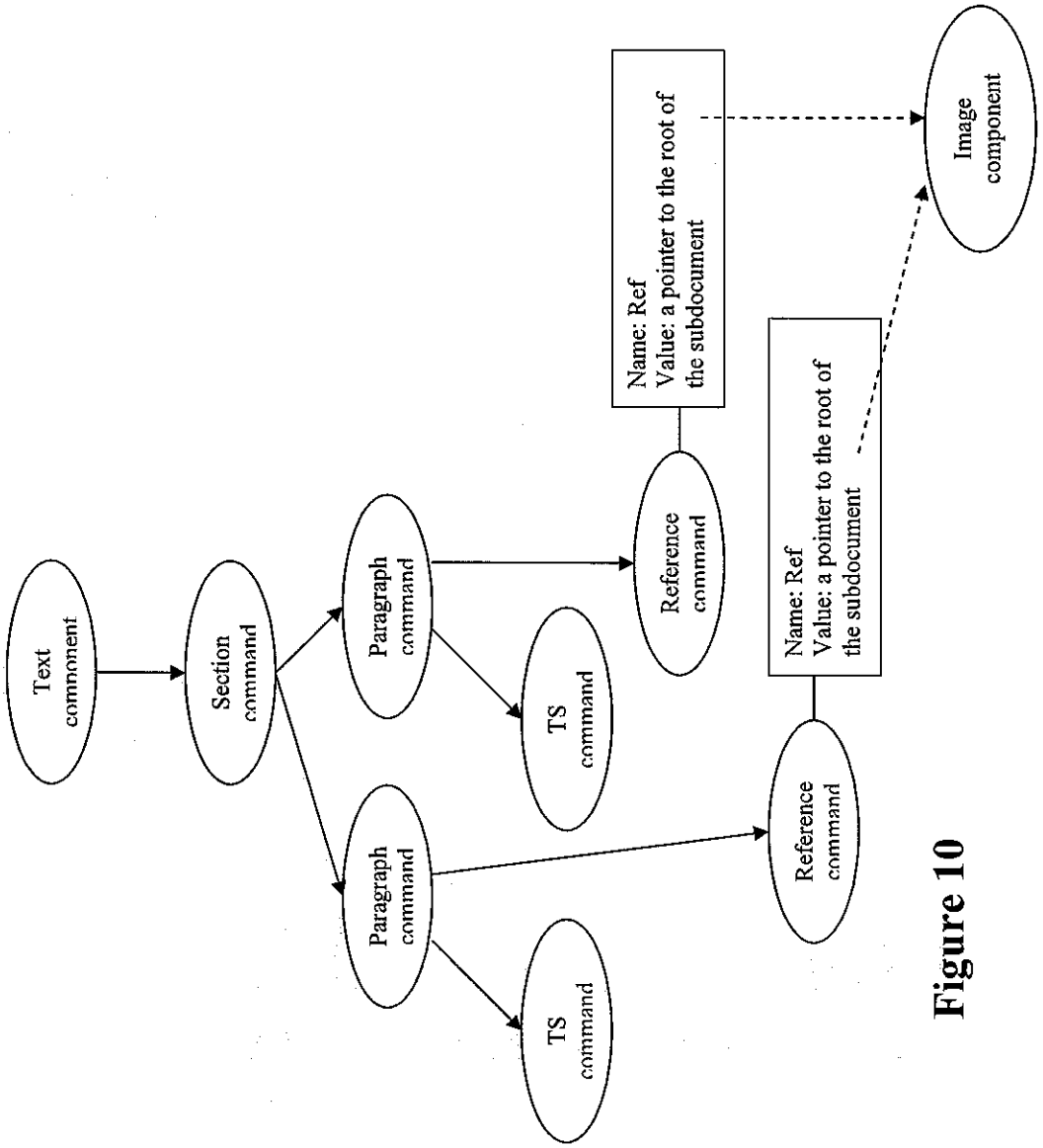

Text component
Section command
Paragraph command
Paragraph command
TS command
TS command
Reference command
Reference command
Name: Ref
Value: a pointer to the root of the subdocument
Name: Ref
Value: a pointer to the root of the subdocument
Image component

Figure 10

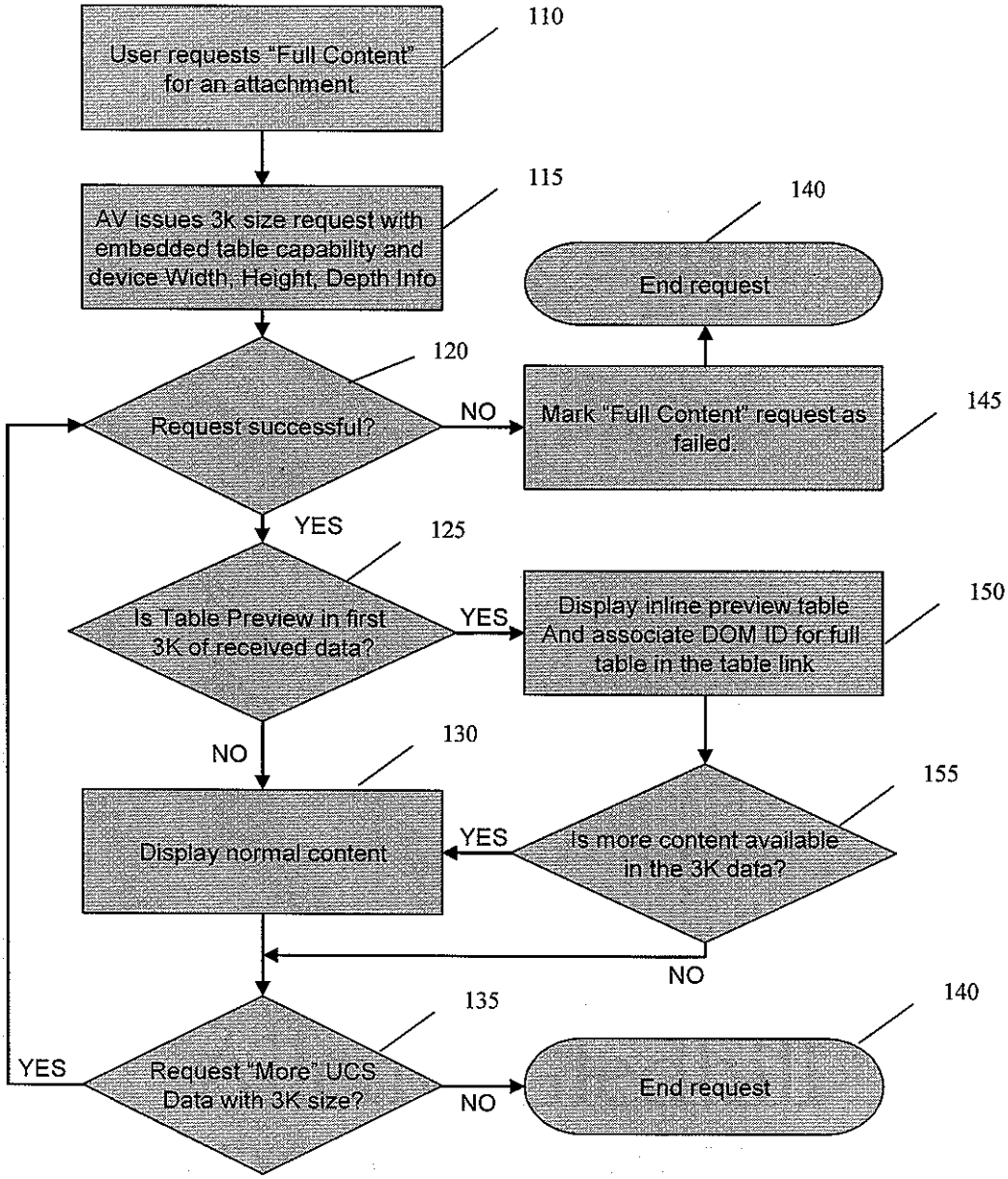

User requests "Full Content" for an attachment.
110
AV issues 3k size request with embedded table capability and device Width, Height, Depth Info
115
Request successful?
120
NO
Mark "Full Content" request as failed
145
End request
140
YES
Is Table Preview in first 3K of received data?
125
YES
Display inline preview table And associate DOM ID for full table in the table link
150
NO
Display normal content
130
YES
Is more content available in the 3K data?
155
NO
Request "More" UCS Data with 3K size?
135
YES
NO
End request
140

Figure 11

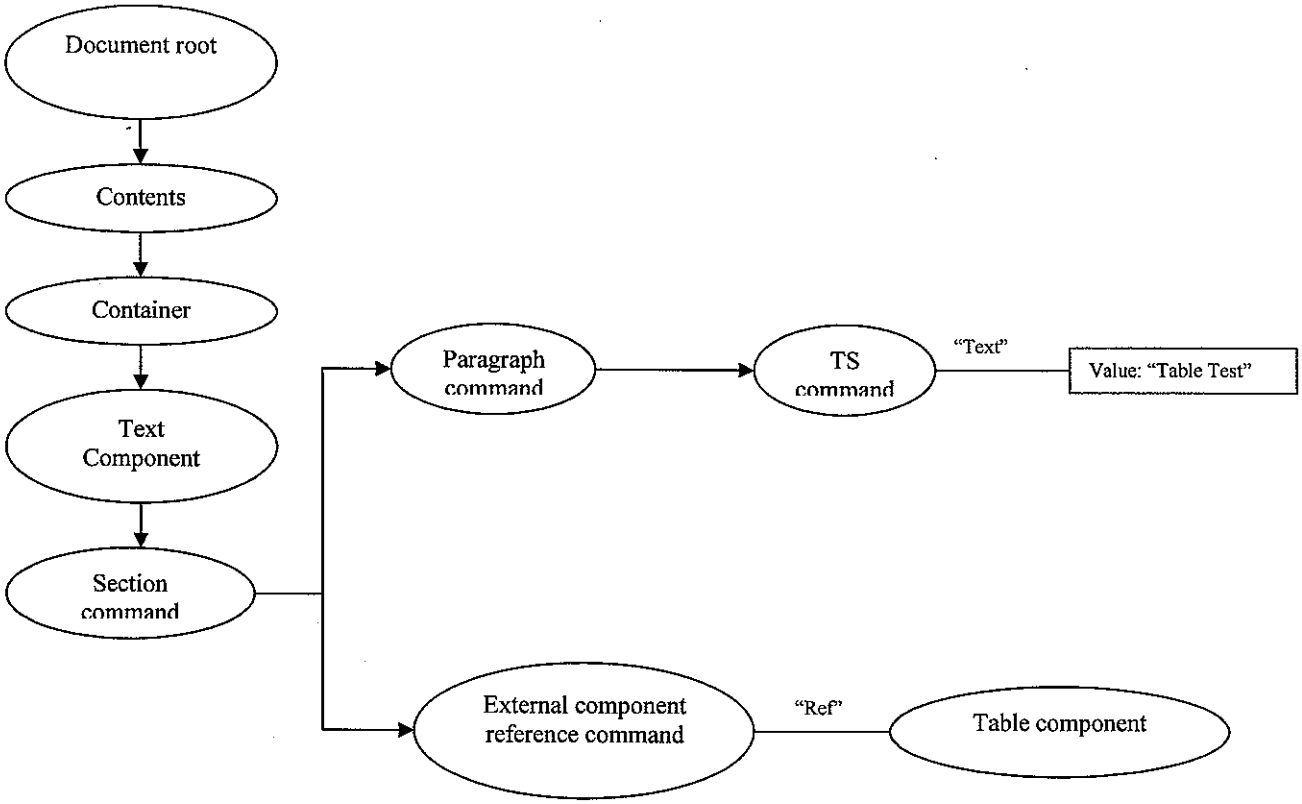

Document root
Contents
Container
Text Component
Section command
Paragraph command
TS command
"Text"
Value: "Table Test"
External component reference command
"Ref"
Table component

Figure 12

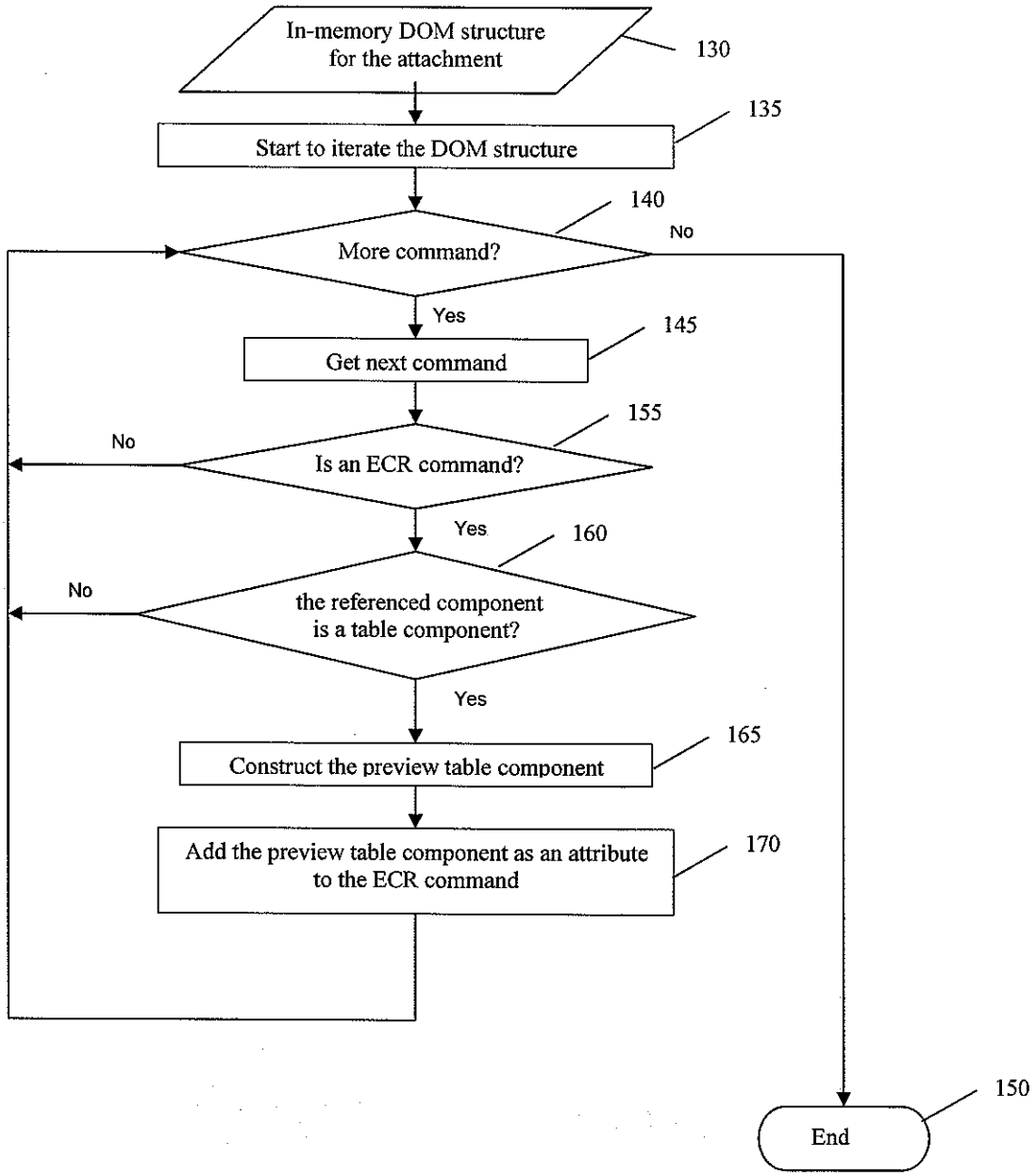

In-memory DOM structure for the attachment
130
Start to iterate the DOM structure
135
More command?
140
No
Yes
Get next command
145
Is an ECR command?
155
No
Yes
the referenced component is a table component?
160
No
Yes
Construct the preview table component
165
Add the preview table component as an attribute to the ECR command
170
End
150

Figure 13

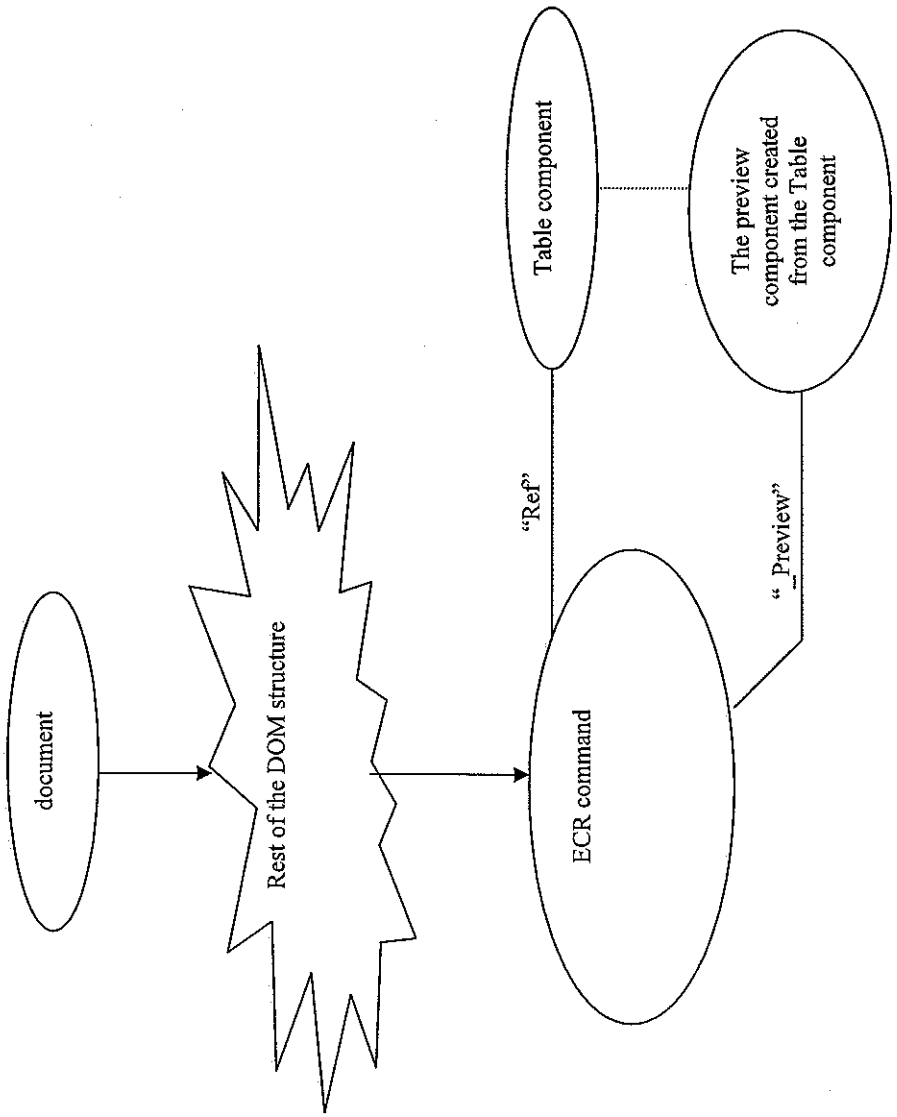

document
Rest of the DOM structure
ECR command
"Ref"
" _Preview"
Table component
The preview component created from the Table component

Figure 14

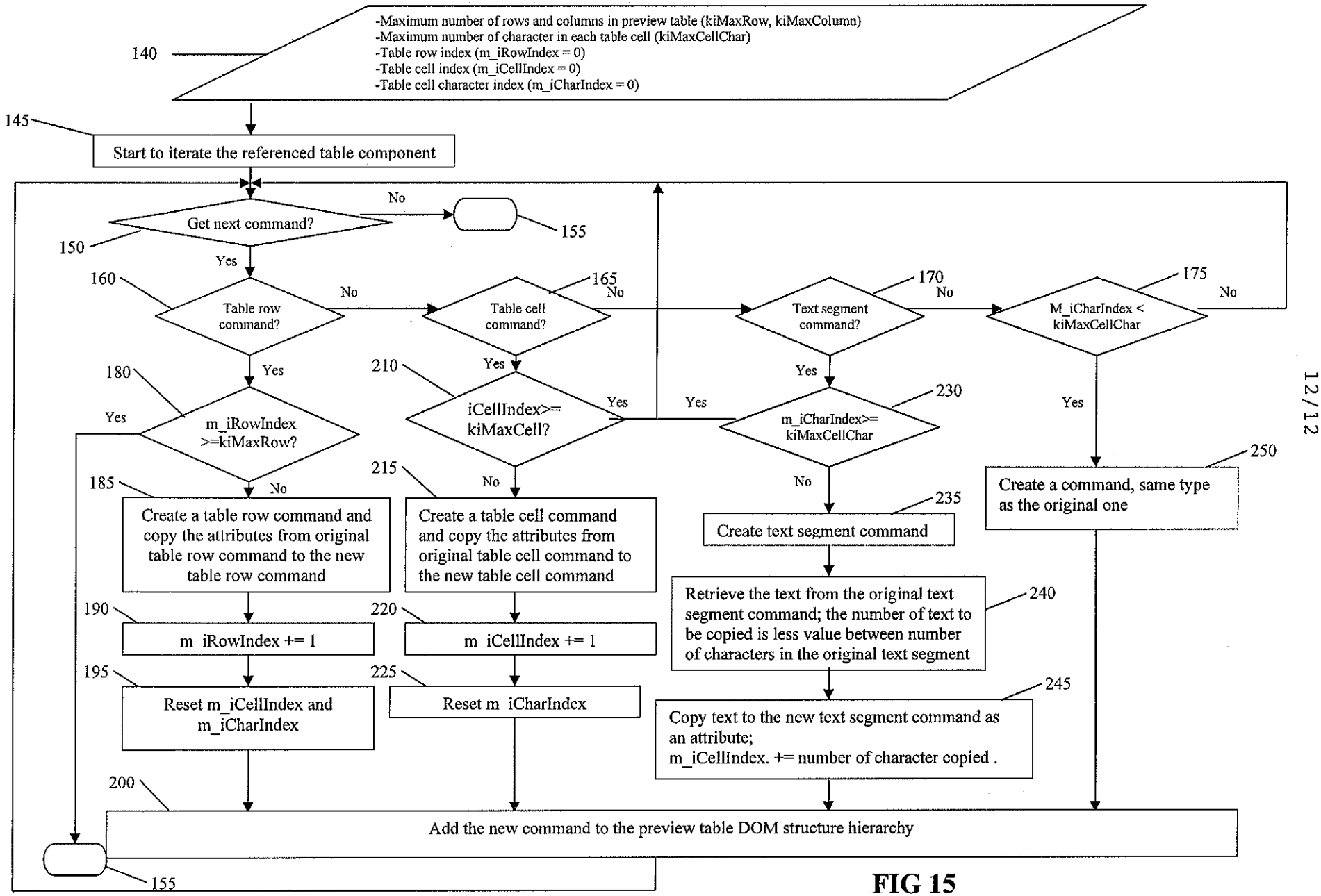

-Maximum number of rows and columns in preview table (kiMaxRow, kiMaxColumn)
-Maximum number of character in each table cell (kiMaxCellChar)
-Table row index (m_iRowIndex = 0)
-Table cell index (m_iCellIndex = 0)
-Table cell character index (m_iCharIndex = 0)
140
145
Start to iterate the referenced table component
Get next command?
150
No
155
Yes
160
Table row command?
No
165
Table cell command?
No
170
Text segment command?
No
175
M_iCharIndex < kiMaxCellChar
No
Yes
180
m_iRowIndex >=kiMaxRow?
Yes
No
185
Create a table row command and copy the attributes from original table row command to the new table row command
190
m_iRowIndex += 1
195
Reset m_iCellIndex and m_iCharIndex
210
iCellIndex>= kiMaxCell?
Yes
No
215
Create a table cell command and copy the attributes from original table cell command to the new table cell command
220
m_iCellIndex += 1
225
Reset m_iCharIndex
Yes
230
m_iCharIndex>= kiMaxCellChar
Yes
No
235
Create text segment command
240
Retrieve the text from the original text segment command; the number of text to be copied is less value between number of characters in the original text segment
245
Copy text to the new text segment command as an attribute;
m_iCellIndex. += number of character copied .
Yes
250
Create a command, same type as the original one
200
Add the new command to the preview table DOM structure hierarchy
155
12/12

FIG 15