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(54) **AUTOMATED ADDITION OF ACCESSIBILITY FEATURES TO DOCUMENTS**

**Publication Classification**

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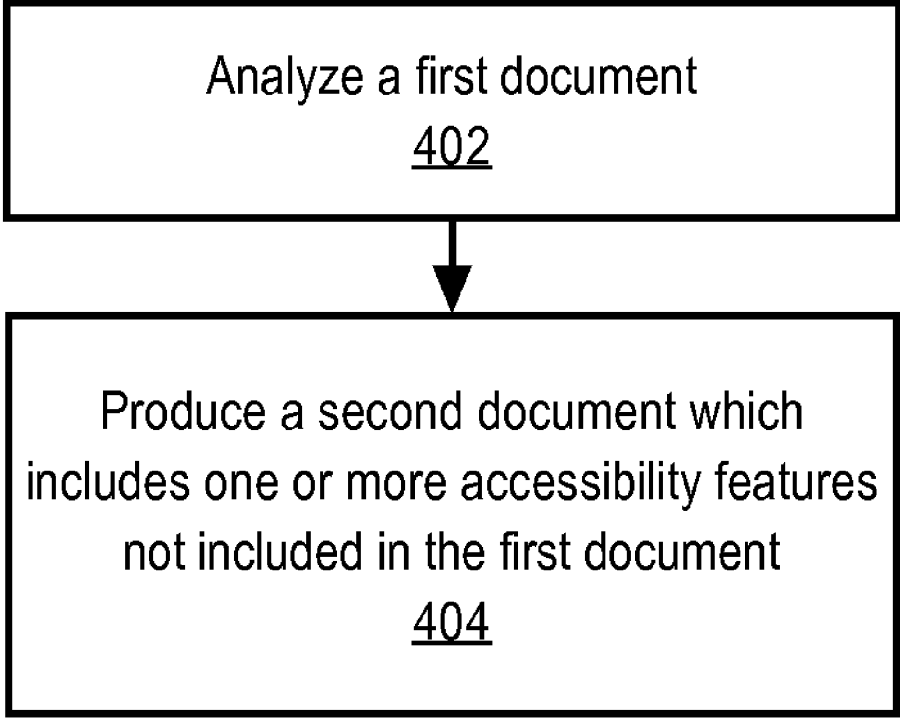
(51) **Int. Cl.**  
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(57) **ABSTRACT**  
 A method includes analyzing a first document to identify a first set of one or more tags and responsive to identifying the first set of one or more tags: automatically producing a second document based in part on first set of one or more tags, where the second document includes one or more accessibility features that were not in the first document.

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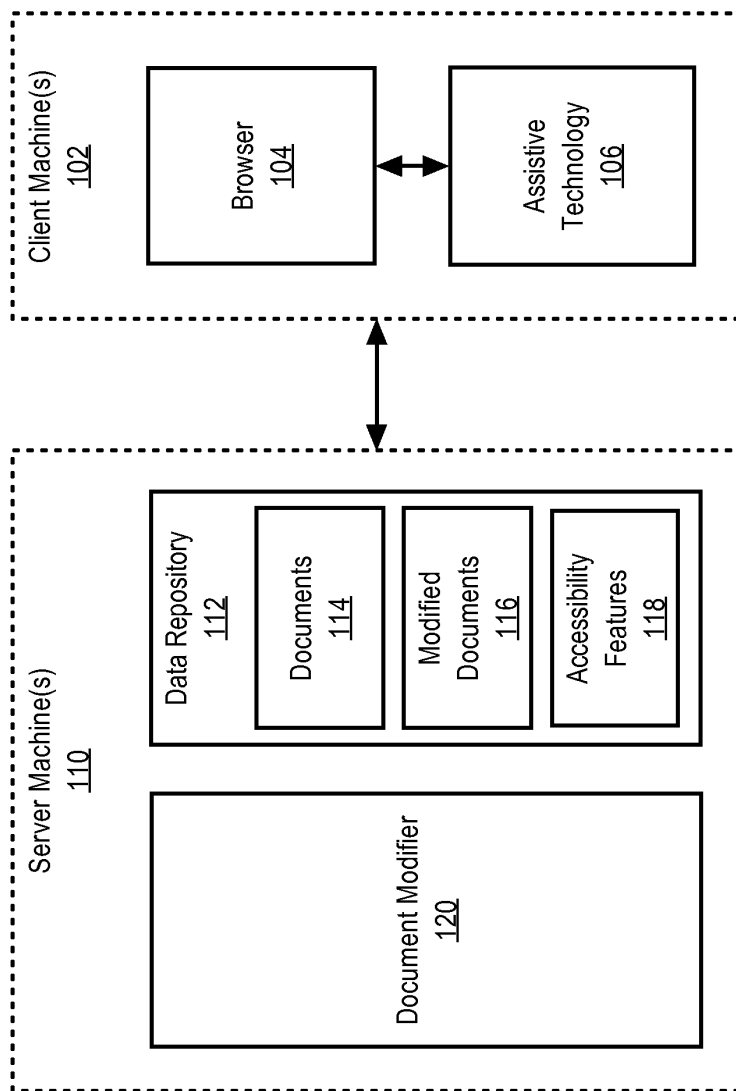


FIG. 1

```
<table>  
<tr class="bold-text"> <td id="cellName">cell one, row one</td><td>cell two, row one</td></tr>  
<tr><td>cell one, row two</td><td>cell two, row two</td></tr> <tr><td>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</td><td>blah blah blah</td></tr>  
<tr><td>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</td><td class="bold-text red-text" style="width:5%;" id="rowName">BOLD RED TEXT</td></tr>  
</table>
```

FIG. 2A

Original HTML Code  
202

```
Table with two columns and four rows  
Cell one, row one, cell two, row one  
Cell two, row two, blah blah blah  
Bold Red text  
table end
```

FIG. 2B

Screen Reader Readout A  
204

```
<div class="twoCol-table">  
<span class="bold-text"><div id="cellName" class="right-column ">cell one, row one</div><div id="id_8"  
class="right-column ">cell two, row one</div></span>  
<span class=""><div id="id_10" class="right-column ">cell one, row two</div><div id="id_11"  
class="right-column ">cell two, row two</div></span>  
<span class=""><div id="id_13" class="right-column ">&nbsp;</div><div id="id_14" class="right-column  
<span class=""><div id="id_16" class="right-column ">&nbsp;</div><div style="width: 5%;" id="rowName"  
>blah blah blah</div></span>  
<span class=""><div id="id_16" class="right-column ">&nbsp;</div><div style="width: 5%;" id="rowName"  
>BOLD RED TEXT</div></span>  
</div>
```

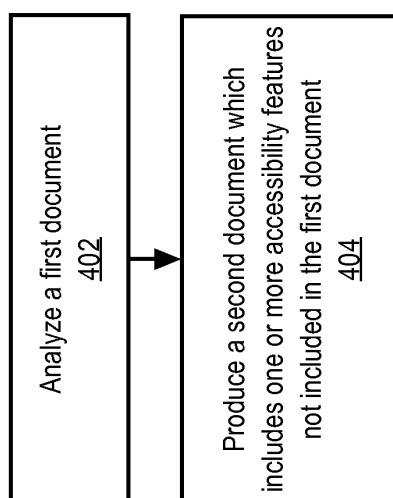
FIG. 3A

Accessibility-Enhanced  
HTML Code  
302

Cell one, row one  
Cell two, row one  
Cell two, row two, blah blah bold red text

FIG. 3B

Screen Reader Readout B  
304



**FIG. 4**

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