
WAP-Enabled
Mobile Device
WAP Stack
WAP Gateway
HTTP
Content
HTTP Server

Figure 1

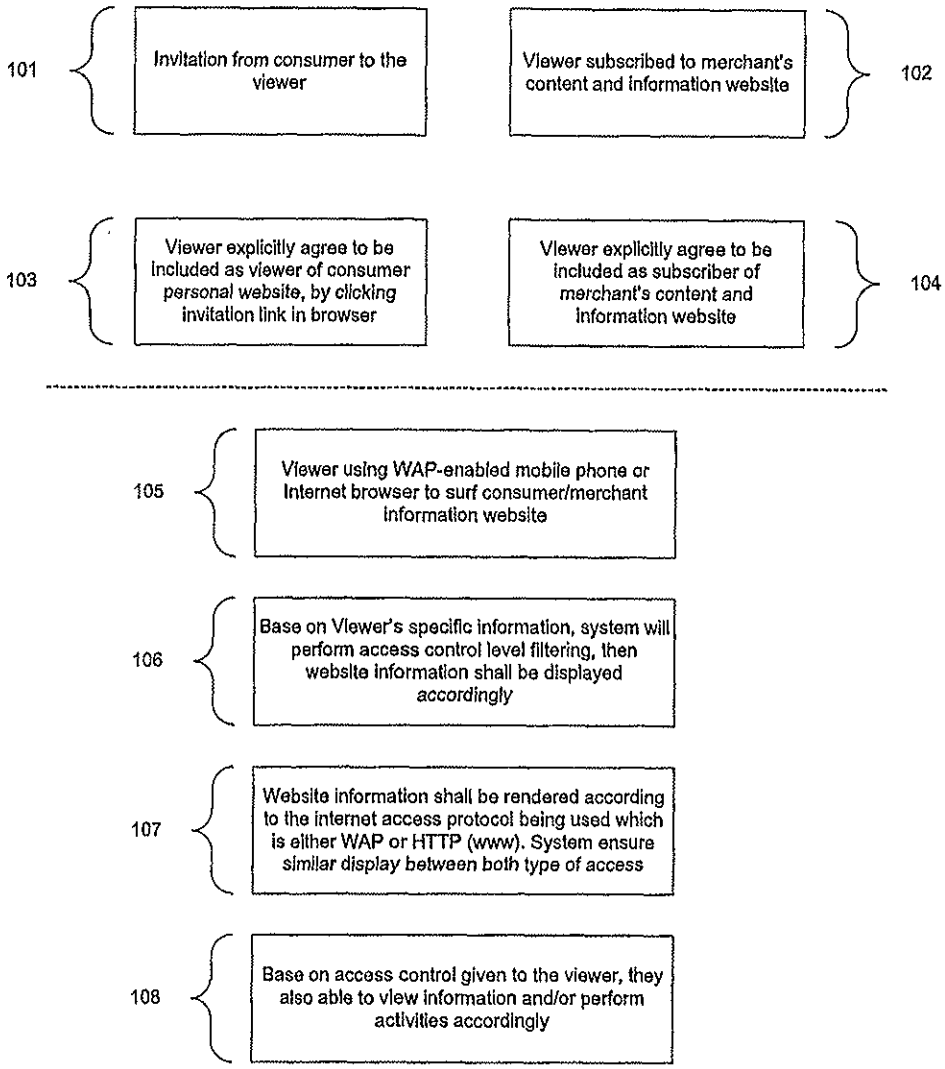

101
Invitation from consumer to the viewer
Viewer subscribed to merchant's content and information website
102
103
Viewer explicitly agree to be included as viewer of consumer personal website, by clicking invitation link in browser
Viewer explicitly agree to be included as subscriber of merchant's content and information website
104
105
Viewer using WAP-enabled mobile phone or Internet browser to surf consumer/merchant information website
106
Base on Viewer's specific information, system will perform access control level filtering, then website information shall be displayed accordingly
107
Website information shall be rendered according to the internet access protocol being used which is either WAP or HTTP (www). System ensure similar display between both type of access
108
Base on access control given to the viewer, they also able to view information and/or perform activities accordingly

Figure 2

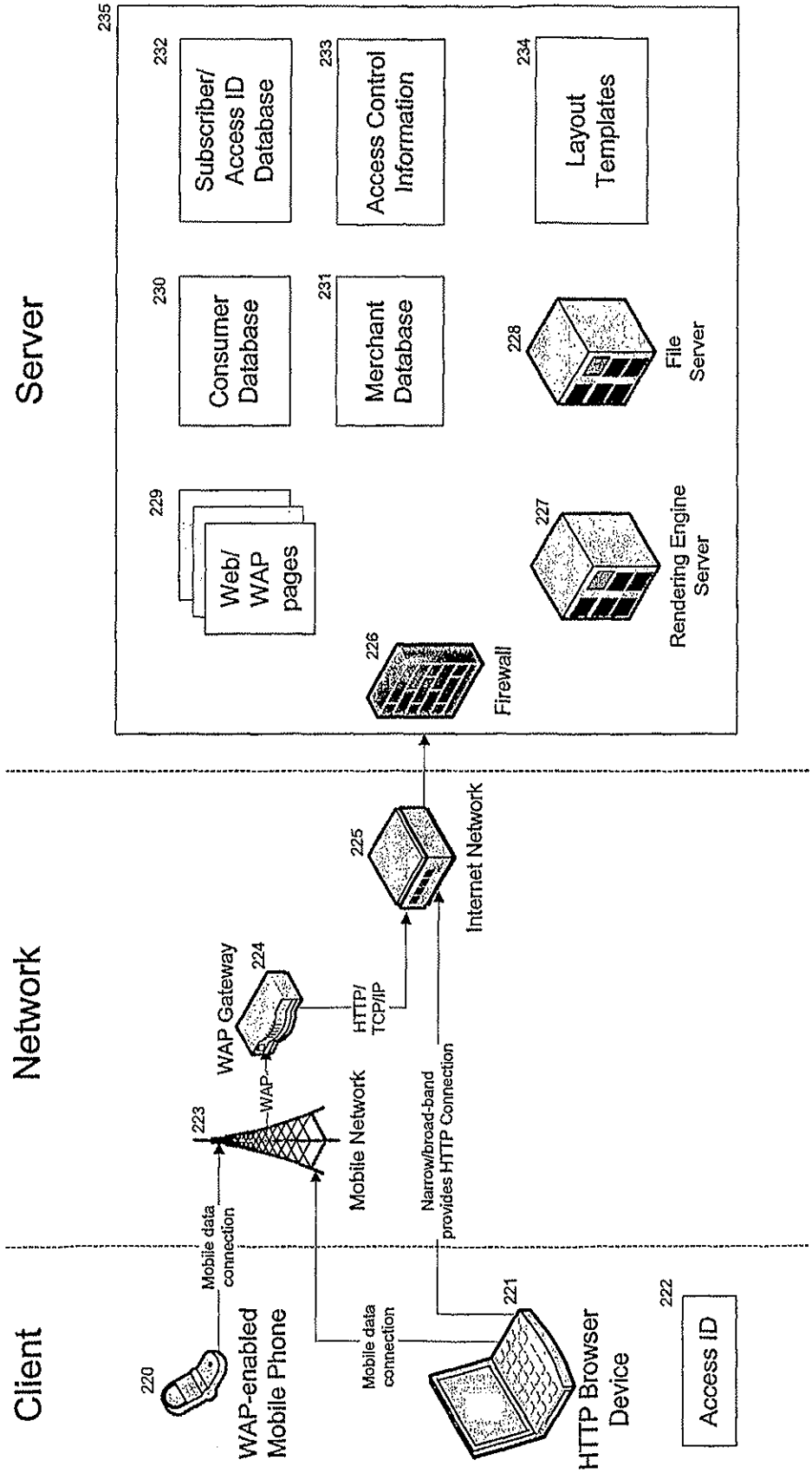

Client
Network
Server
WAP-enabled Mobile Phone
220
Mobile data connection
223
Mobile Network
WAP
WAP Gateway
224
HTTP/ TCP/IP
225
Internet Network
Narrow/broad-band provides HTTP Connection
Mobile data connection
HTTP Browser Device
221
Access ID
222
235
Subscriber/ Access ID Database
232
Access Control Information
233
Layout Templates
234
Consumer Database
230
Merchant Database
231
File Server
228
Rendering Engine Server
227
Web/ WAP pages
229
Firewall
226

Figure 3

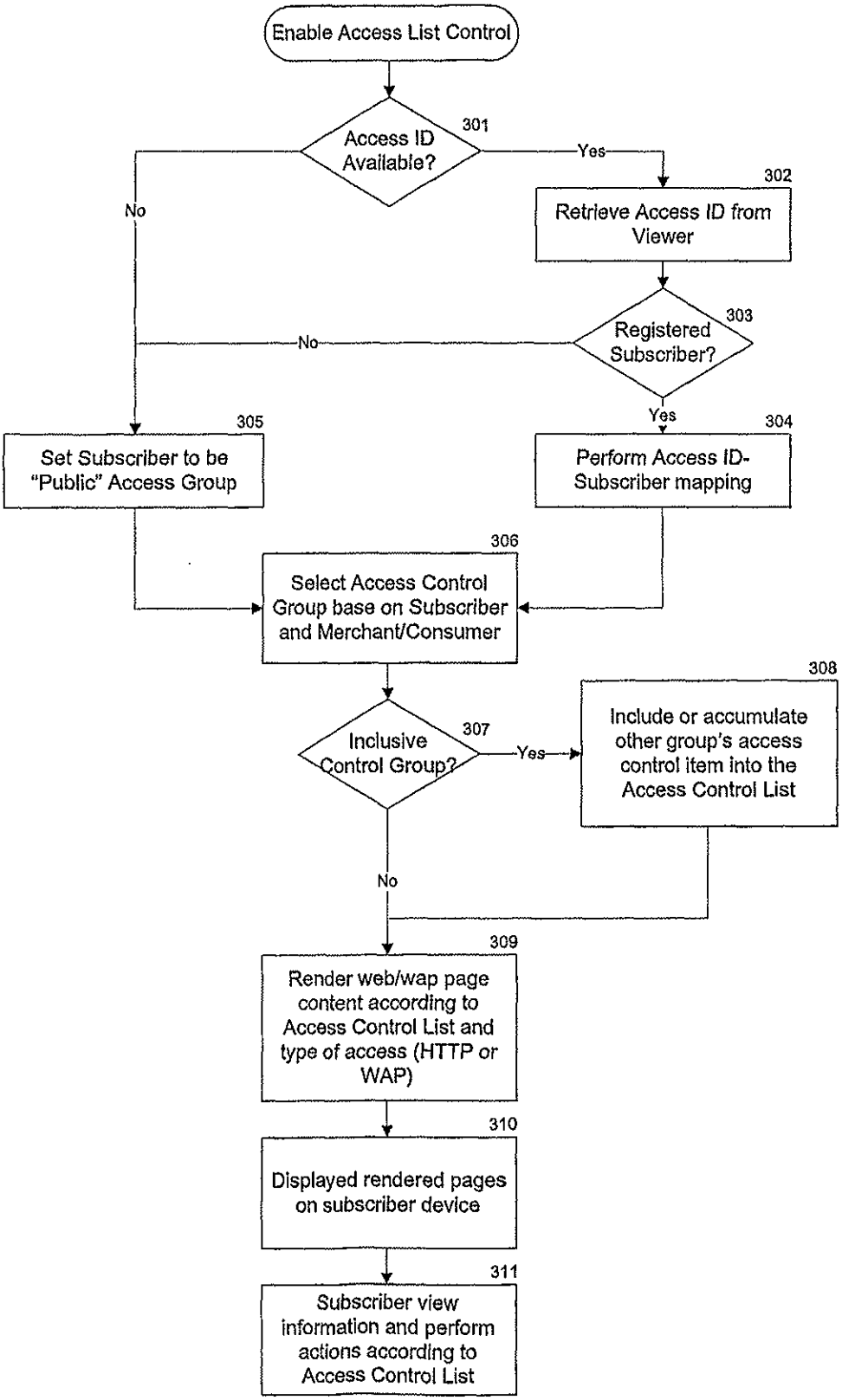

Enable Access List Control
Access ID Available?
301
Yes
No
302
Retrieve Access ID from Viewer
Registered Subscriber?
303
No
Yes
304
Perform Access ID-Subscriber mapping
305
Set Subscriber to be "Public" Access Group
306
Select Access Control Group base on Subscriber and Merchant/Consumer
Inclusive Control Group?
307
Yes
308
Include or accumulate other group's access control item into the Access Control List
No
309
Render web/wap page content according to Access Control List and type of access (HTTP or WAP)
310
Displayed rendered pages on subscriber device
311
Subscriber view information and perform actions according to Access Control List

Figure 4