

Access control enable list	List of service usage activities that are enabled.	Authorization restricted to service controller, VSP or other network function with proper credentials to access the control data base.
Access control block list	List of service usage activities that are blocked.	Same as above.
User service control option UI	Provides the user with a list of options for how they would like to control service usage or service cost.	In some embodiments UI screens and scripts are defined by the UI agent software version and access to modifying this software is restricted to service controller, VSP or other network function with proper credentials to access the UI data base. Some embodiments call for the UI screens or UI screen content to be generated by the service controller, VSP or another network function (e.g. service usage notification gateway or billing system) and in this case access is restricted to service controller, VSP or other network function with proper credentials to access the UI pass through screens.
User service notification option preference	Provides the user with a list of options for how they would like service notification information to be displayed. In some embodiments provides the user with the option to turn off one or more aspects of service notification. In some embodiments the user is not allowed to turn off notification for service usage events that require user decision or acknowledgement.	In some embodiments UI screens and scripts are defined by the UI agent software version and access to modifying this software is restricted to service controller, VSP or other network function with proper credentials to access the UI data base. Some embodiments call for the UI screens or UI screen content to be generated by the service controller, VSP or another network function (e.g. service usage notification gateway or billing system) and in this case access is restricted to service controller, VSP or other network function with proper credentials to access the UI pass through screens.

FIG. 42G

User CRM or service usage monitoring filtering option preference	Filters the device and/or user information that is being collected before it is reported to the network to maintain the desired level of user privacy. In some embodiments the user defines preferences on user privacy that are used to define the filter settings.	In some embodiments this is not accessible by the network and only may be modified by the user. In other embodiments it may be read but not written by the network and in this case authorization is restricted to service controller, VSP or other network function with proper credentials to access the filter settings data base. In some embodiments the network is allowed to change the CRM filter settings and in this case Authorization restricted to service controller, VSP or other network function with proper credentials to access the CRM filter settings data base.
Service usage billing event record	A record of service usage billing events. In some embodiments this record is transmitted to the billing server or another network function to aid service billing or billing reconciliation.	In some embodiments authorization restricted to service controller, VSP or other network function with proper credentials to access the billing data base. In some embodiments the user is allowed to read but not write the data base.
Bill by account	The bill by account embodiments provide for service billing to accounts different than the main user account, for example tracking network device chatter that is not desired to be billed to the user, transaction partner access costs that are shared with or billed to the transaction partner, ambient service cost tracking, tracking temporary account costs, etc.	In some embodiments authorization restricted to service controller, VSP or other network function with proper credentials to access the billing data base. In some embodiments the user is allowed to read but not write the data base.
Central billing transaction and event recording	Billing event tracking and reporting associated with the central provider open billing embodiments. Some embodiments include generation of billing certificates or receipts. In some embodiments the device may serve as a billing feed.	In some embodiments authorization restricted to service controller, VSP or other network function with proper credentials to access the billing data base. In some embodiments the user is allowed to read but not write the data base.
Service owner registration or re-registration	Function that allows a portion of the device credentials to be programmed to indicated the VSP.	In some embodiments authorization to write the device is restricted with security signatures or other security methods to the VSP and possibly the central provider. Some embodiments involve provisions to report to a network function when the VSP settings are changed or the software is uninstalled. Other embodiments involve restoring VSP settings or software if removed.

FIG. 42H

Credentials swap	Function that provides for swapping of credentials, for example temporary credentials to permanent credentials.	Authorization restricted to service controller, VSP or other network function with proper credentials to access the credentials data base.
Account information swap	Function that provides for swapping the account information, for example temporary account to permanent account.	Authorization restricted to service controller, VSP or other network function with proper credentials to access the activation service profile data base.
Configure or re-configure service processor for new device service	Function that provides for service processor programming for all the information that defines the service profile, device credentials, VSP and other necessary parameters.	Authorization restricted to service controller, VSP or other network function with proper credentials to access the service profile data base.
Ambient service profile definition	Function that provides for service processor programming for all the information that defines the ambient service profile, device credentials, VSP and other necessary parameters.	Authorization restricted to service controller, VSP or other network function with proper credentials to access the ambient service profile data base.
Analyze service usage statistics	VSP function to analyzer service usage statistics for a device, defined group of devices, defined group of service plans or service profiles, defined group of users or other groupings.	Authorization typically restricted to service controller, VSP or other network entity with the credentials to access the service usage history data bases.
Dry lab test new service policy	Allows simulated testing of draft service profiles and/or service plans against device usage statistics for a defined group of devices or users or service profiles, or against simulated device service usage behavior. Some embodiments show the estimated profitability of proposed service profile and service plan. Some embodiments allow decomposition of the service usage statistics to identify the user group service usage activities that may be modified by changing the service usage control policies or made more profitable by changing the service plan billing policies.	Authorization typically restricted to service controller, VSP or other network entity with the credentials to access the service usage history data bases.
Beta test publishing system	Function that provides for service processor programming for all the information that defines the service profile device credentials, VSP and other necessary parameters for a beta test device group.	Authorization restricted to service controller, VSP or other network function with proper credentials to access the service profile data base.
Publish new service	Function that provides for service processor programming for all the information that defines the service profile, device credentials, VSP and other necessary parameters for a production device group.	Authorization restricted to service controller, VSP or other network function with proper credentials to access the service profile data base.

FIG. 42I

Roaming selection service	Function that surveys available roaming service partners, looks up the billing rates for the partners, and displays to the user the set of choices and billing rates. In some embodiments the roaming partner billing rates for one or more roaming partners are applied to a typical user service usage scenario for the purpose of estimating possible projected roaming costs and displaying those costs to the user. In some embodiments the roaming data is stored locally on the device and periodically updated with network refreshes, while in other embodiments the data base is looked up at the time of service. In some embodiments, the user is asked if they would like to modify their service usage notification or control profiles to save roaming costs and if the user responds yes they are provided with a set of options for changing service usage notification or service usage control policies.	Authorization to modify the policies typically restricted to the VSP or other entity responsible for managing the roaming service.
Roaming usage count	Provides a service usage estimate to the user while roaming.	Same as above.
Roaming cost service	Provides a service cost estimate to the user while roaming.	Same as above.
Roaming policy control service	Provides the user or VSP with the capability to switch service usage notification or service usage control policies while roaming. Some embodiments provide for restrictions to roaming carrier options. Some embodiments provide policies based on carrier chosen. Some embodiments provide policies based on the service cost for carrier chosen. Some embodiments specify preferred roaming lists that may be different than the central provider roaming list.	Same as above.
Switch policies for new network	Provides the user or VSP with the capability to switch service usage notification or service usage control policies depending on which network the device is connected to. Some embodiments provide for restrictions to certain network options. Some embodiments provide policies based on network chosen. Some embodiments provide policies based on the service cost for network chosen. Some embodiments provide for a network connection preference list.	Authorization to modify the policies typically restricted to the VSP or other entity responsible for managing the network selection policies.

FIG. 42J

Service
Processor
Authorization

81/106

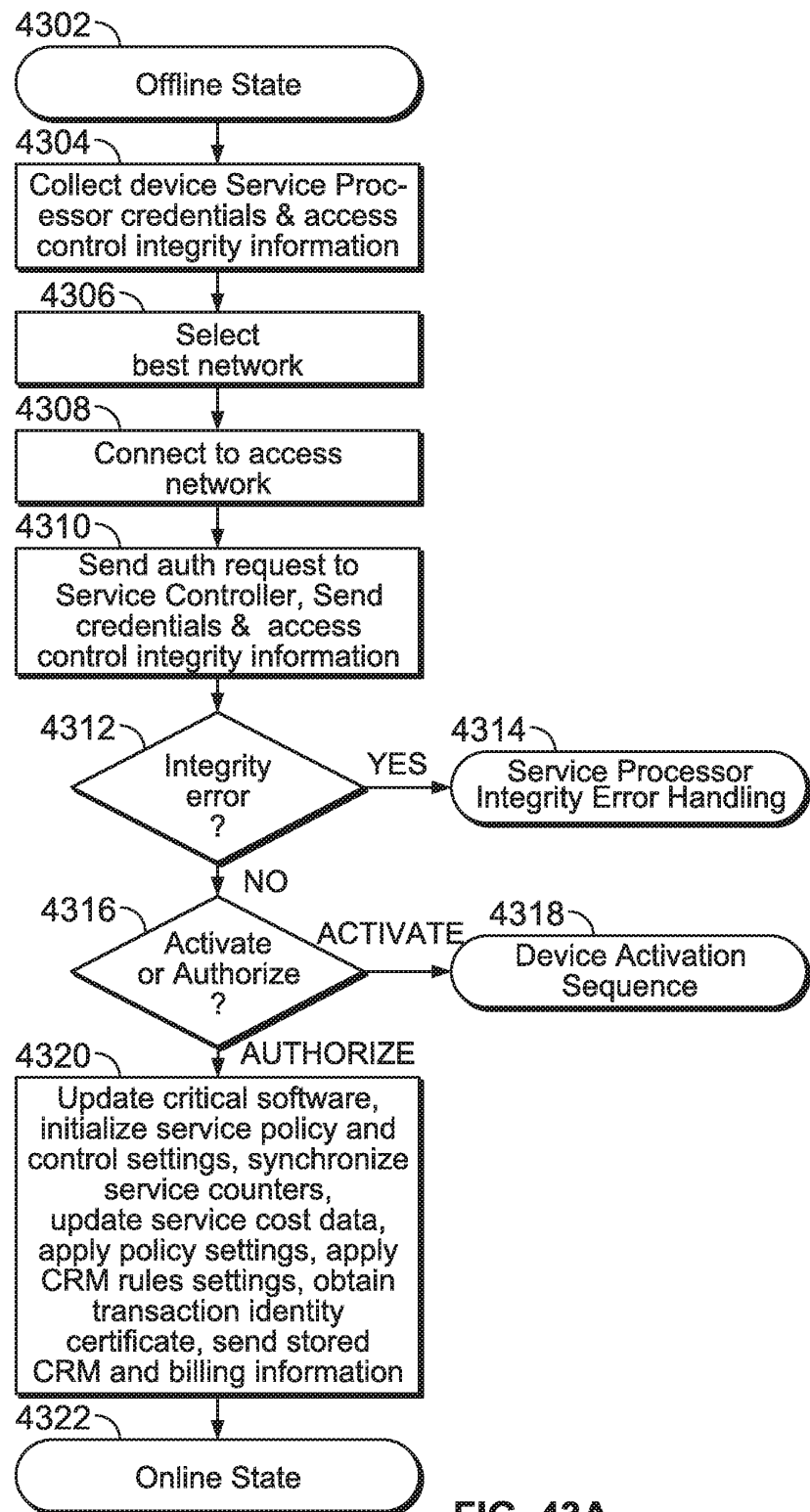


FIG. 43A

82/106

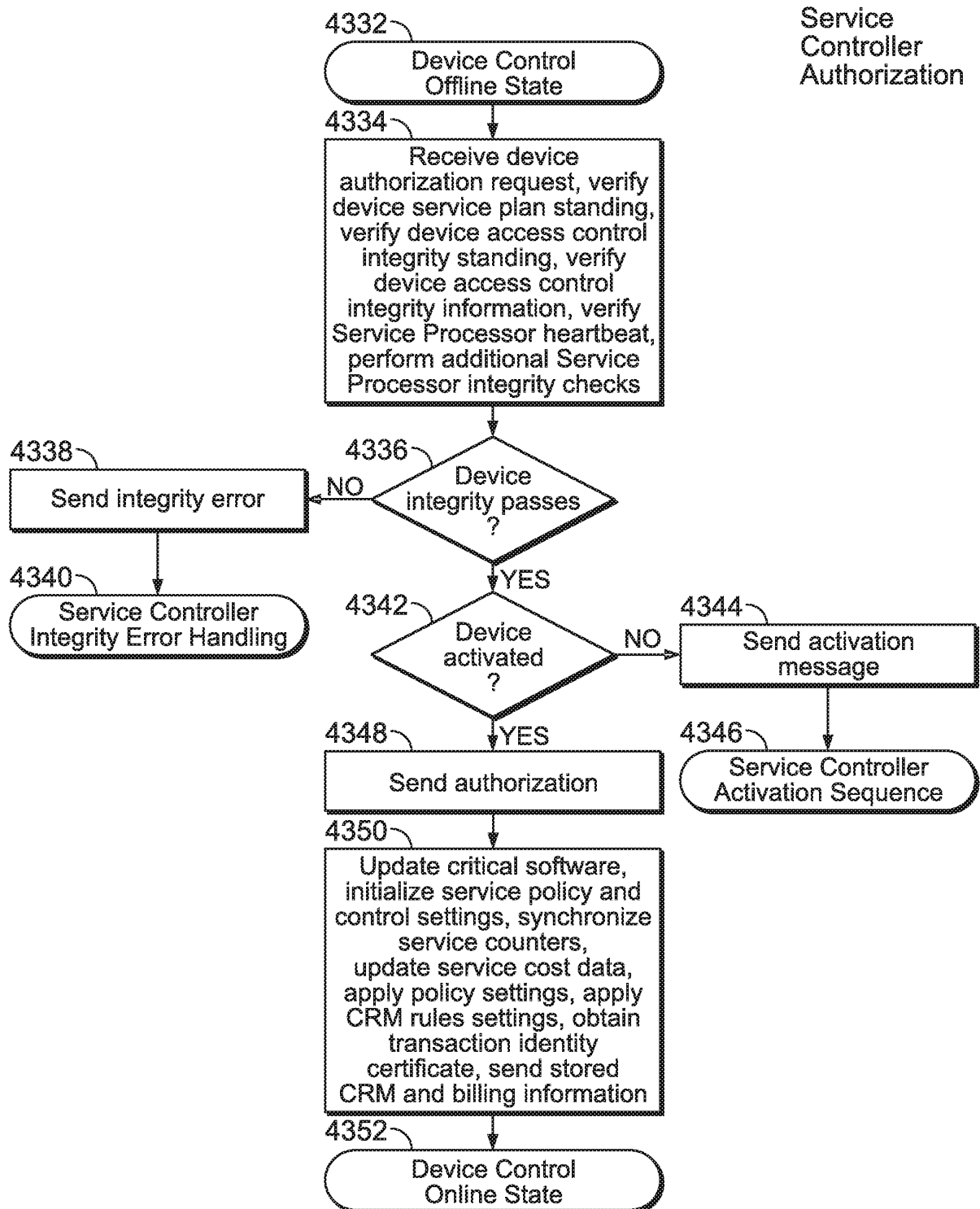


FIG. 43B

83/106

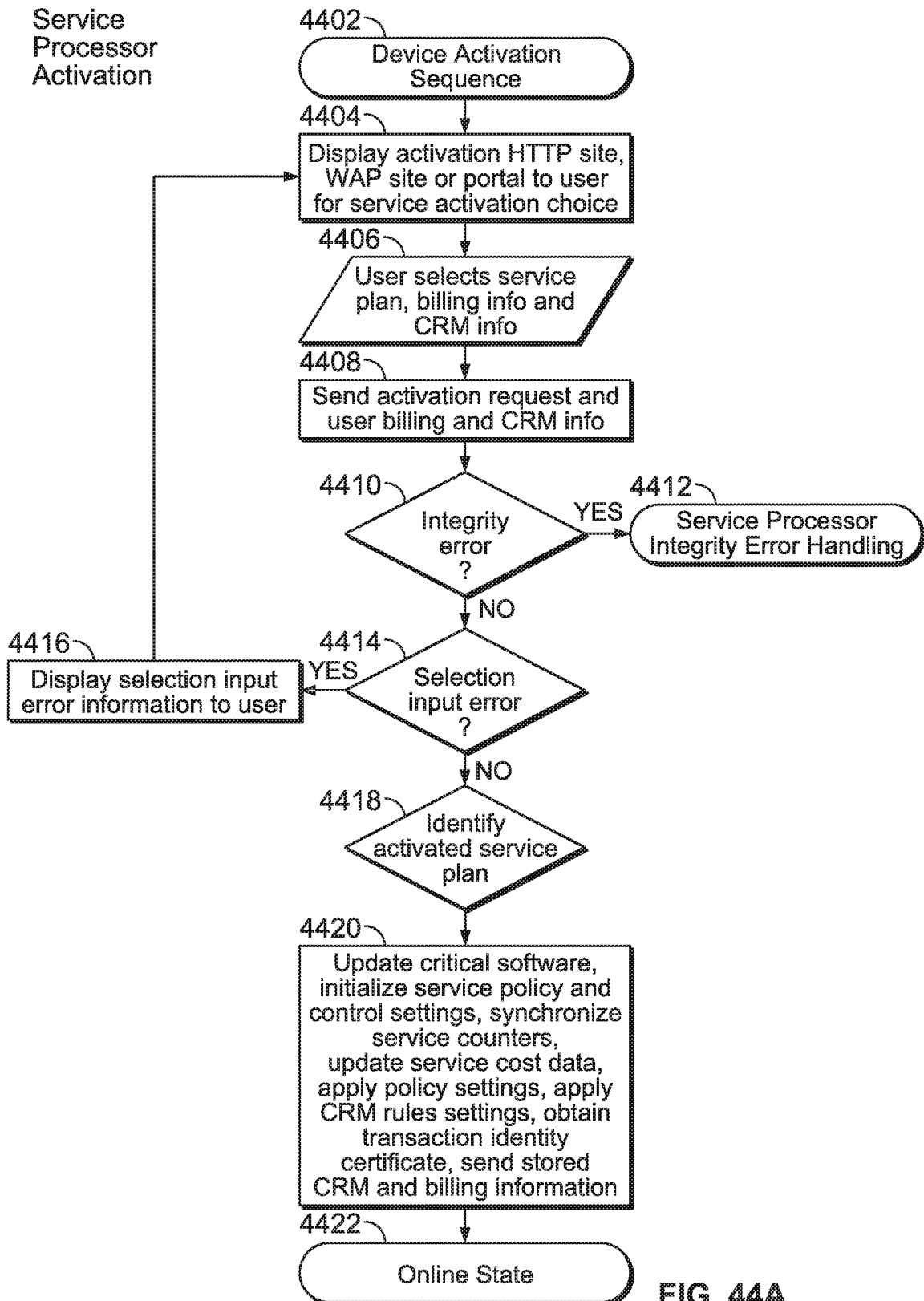


FIG. 44A

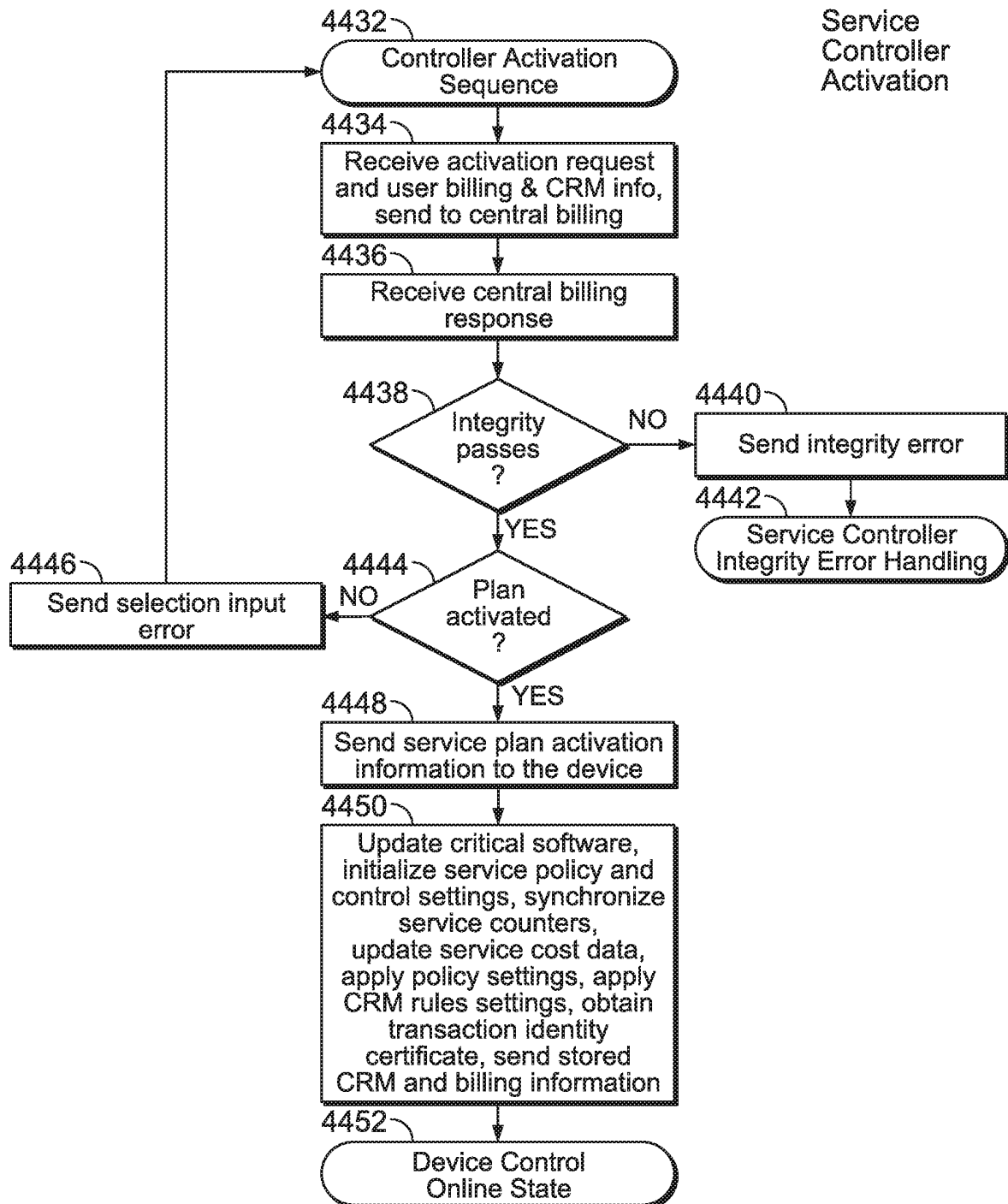


FIG. 44B

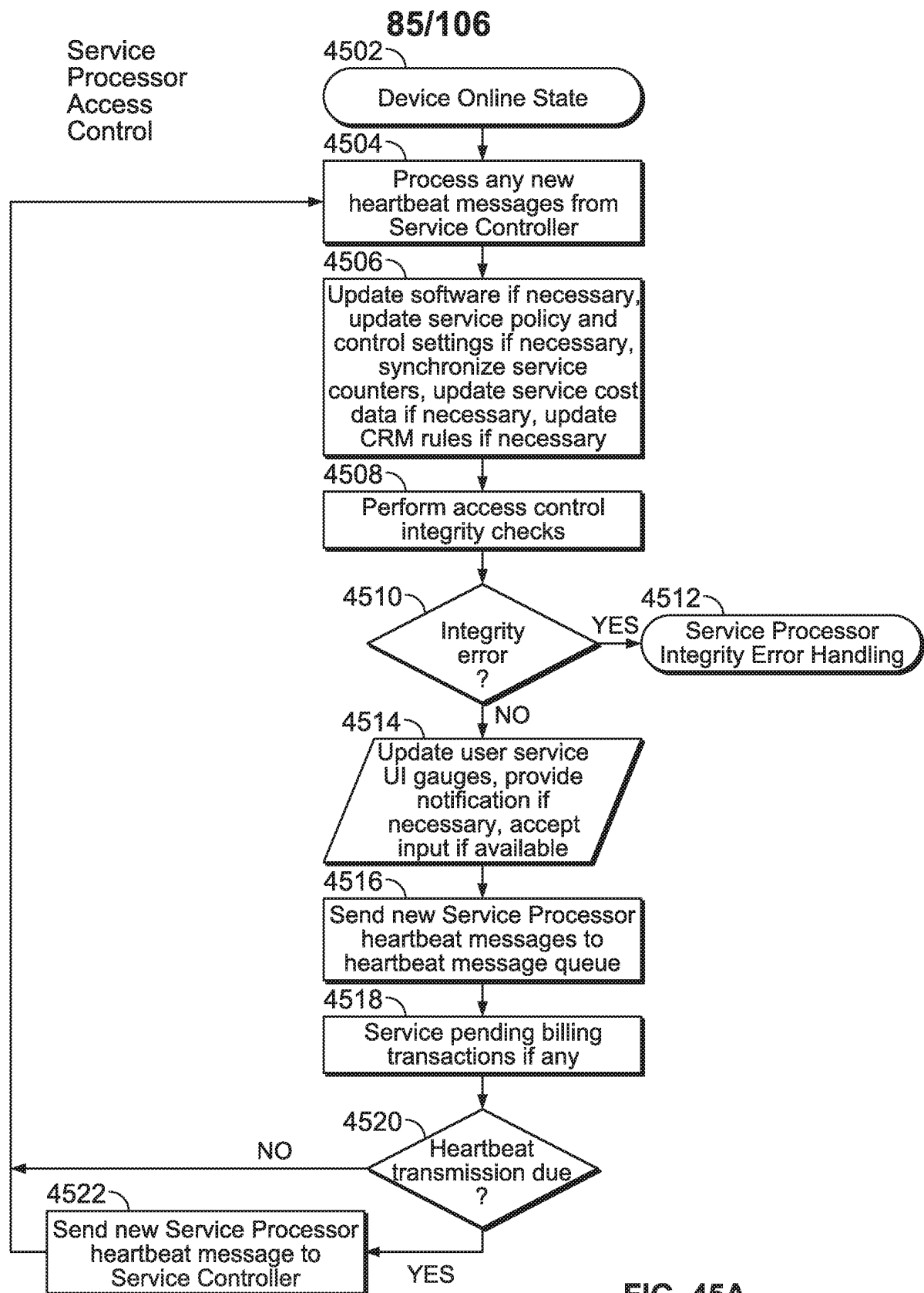


FIG. 45A

86/106

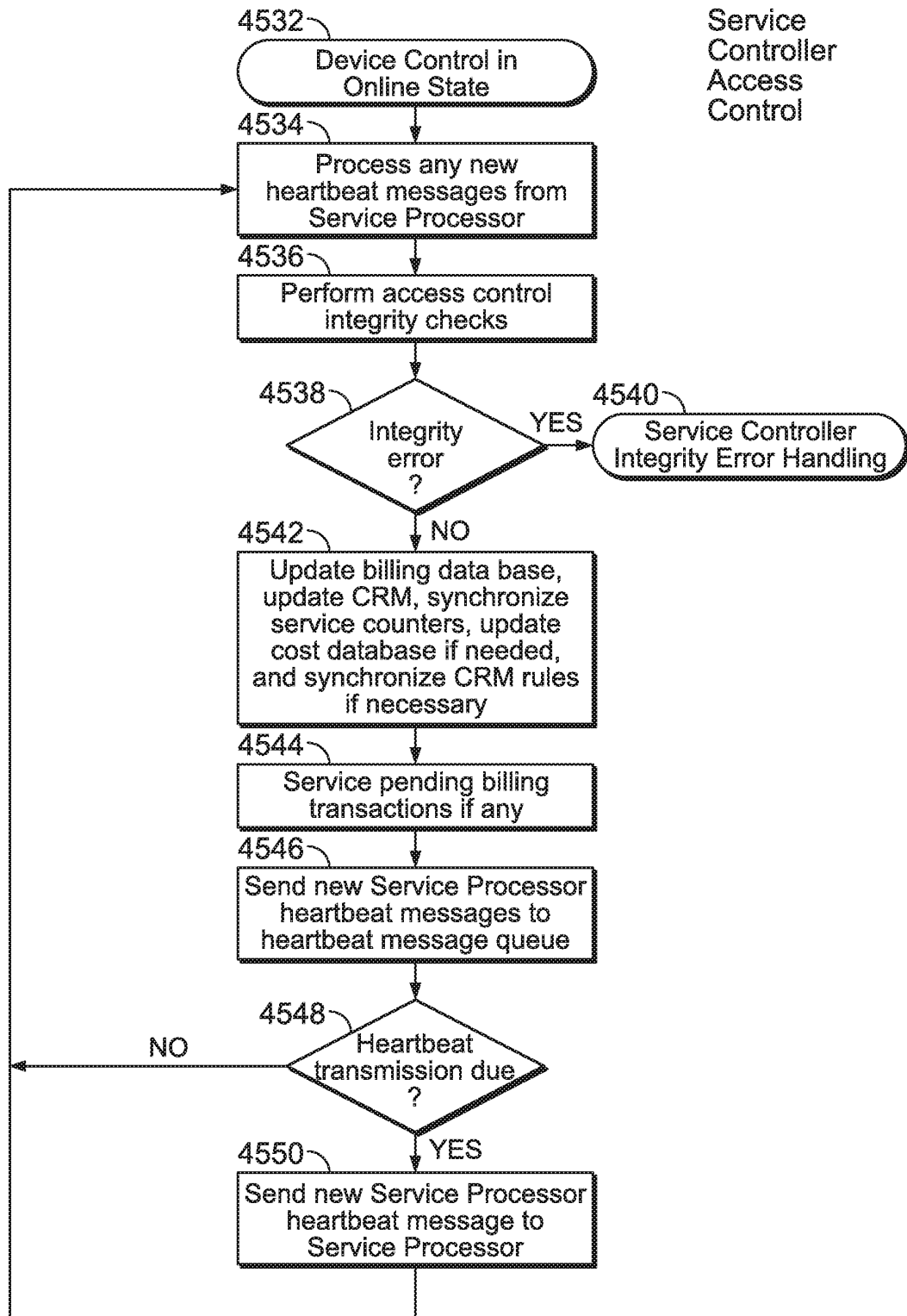
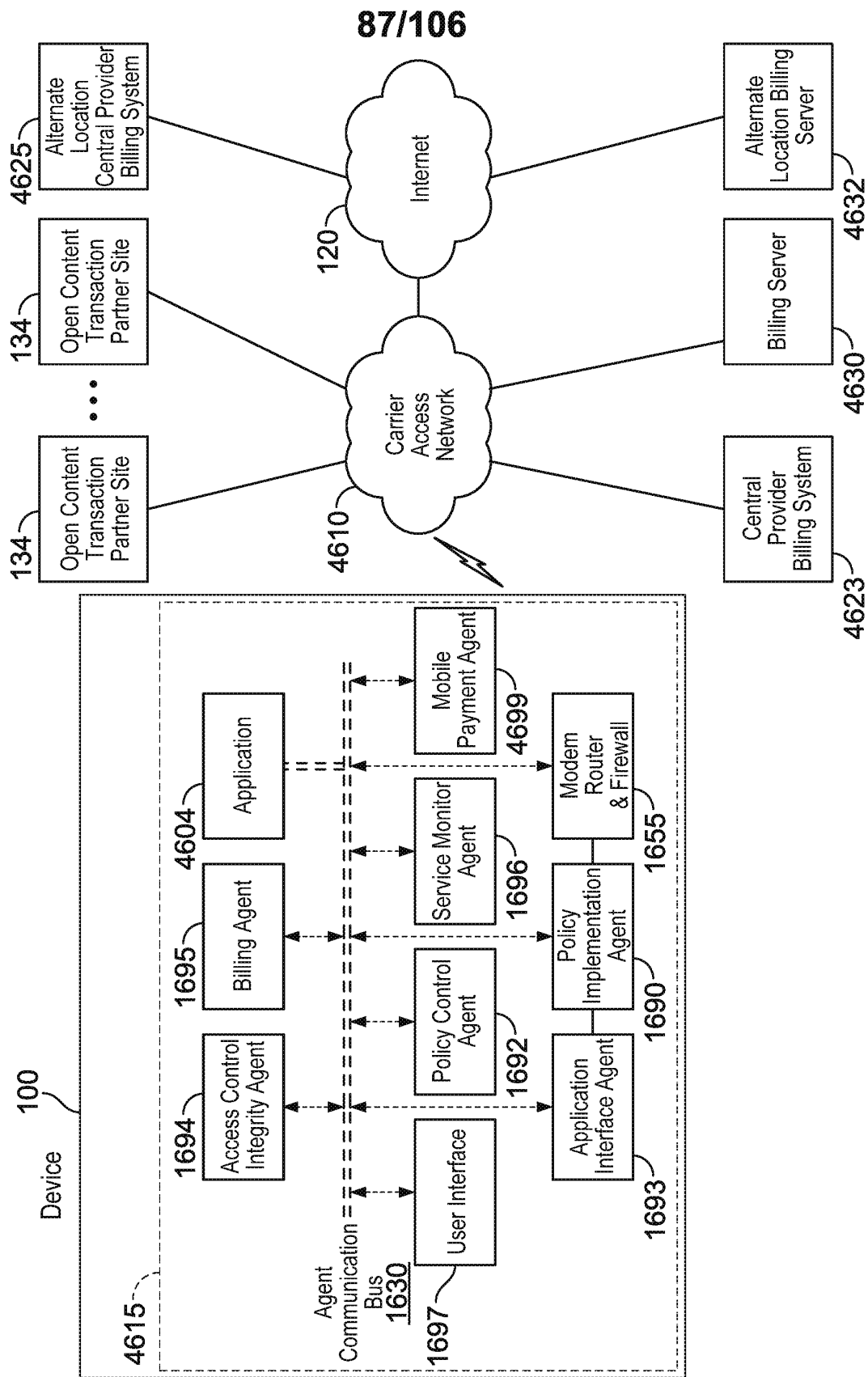


FIG. 45B



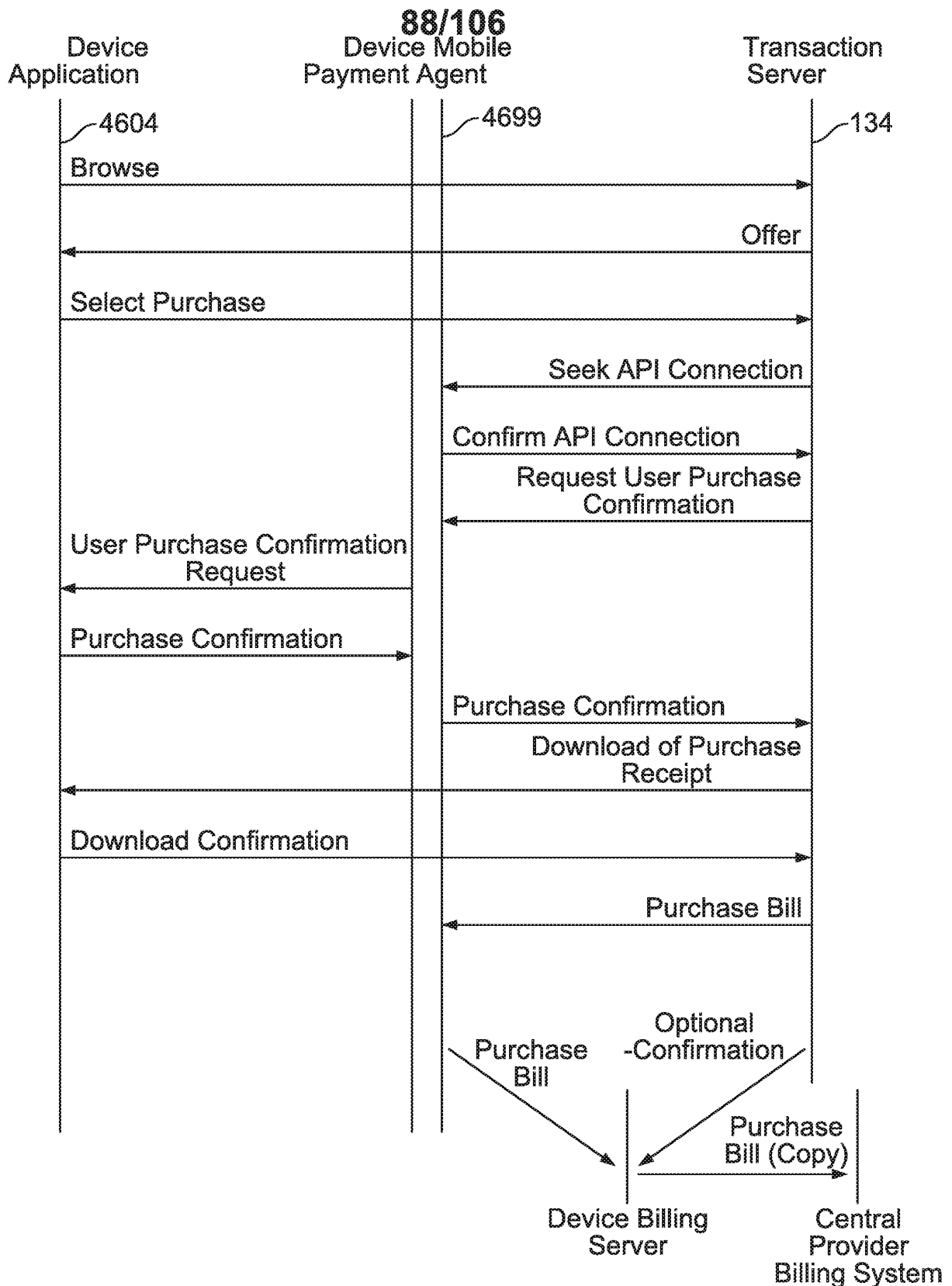


FIG. 47A

89/106

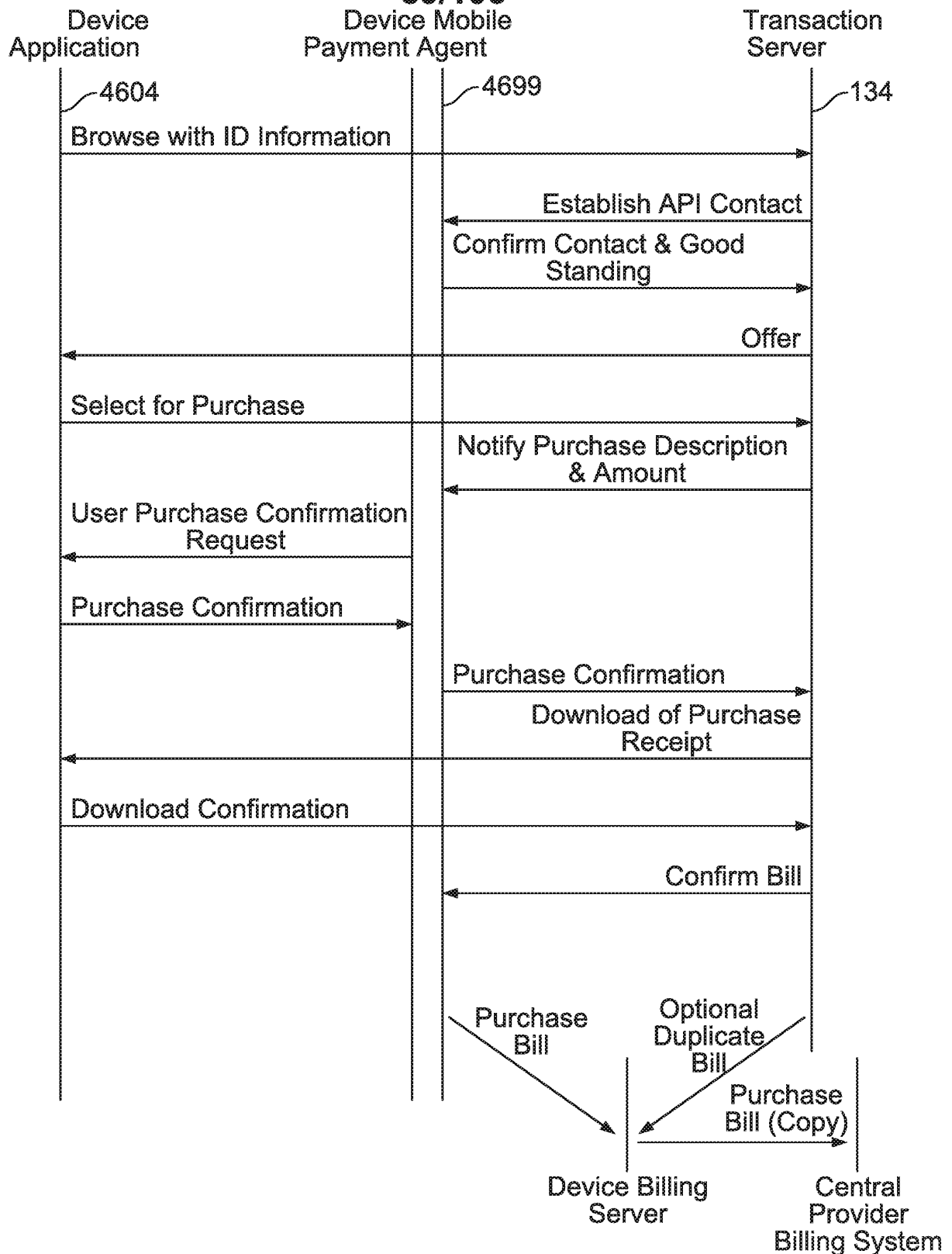


FIG. 47B

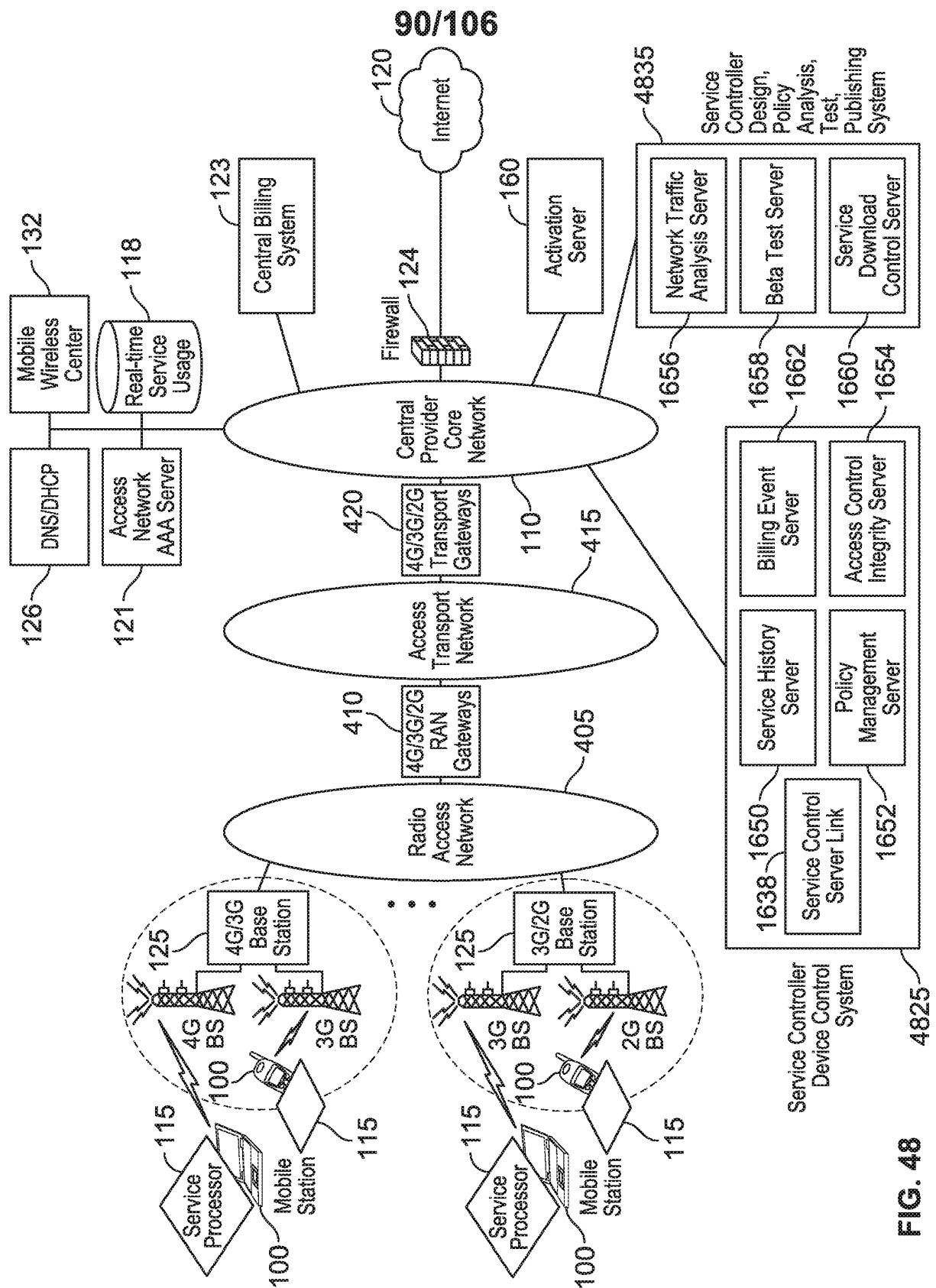


FIG. 48

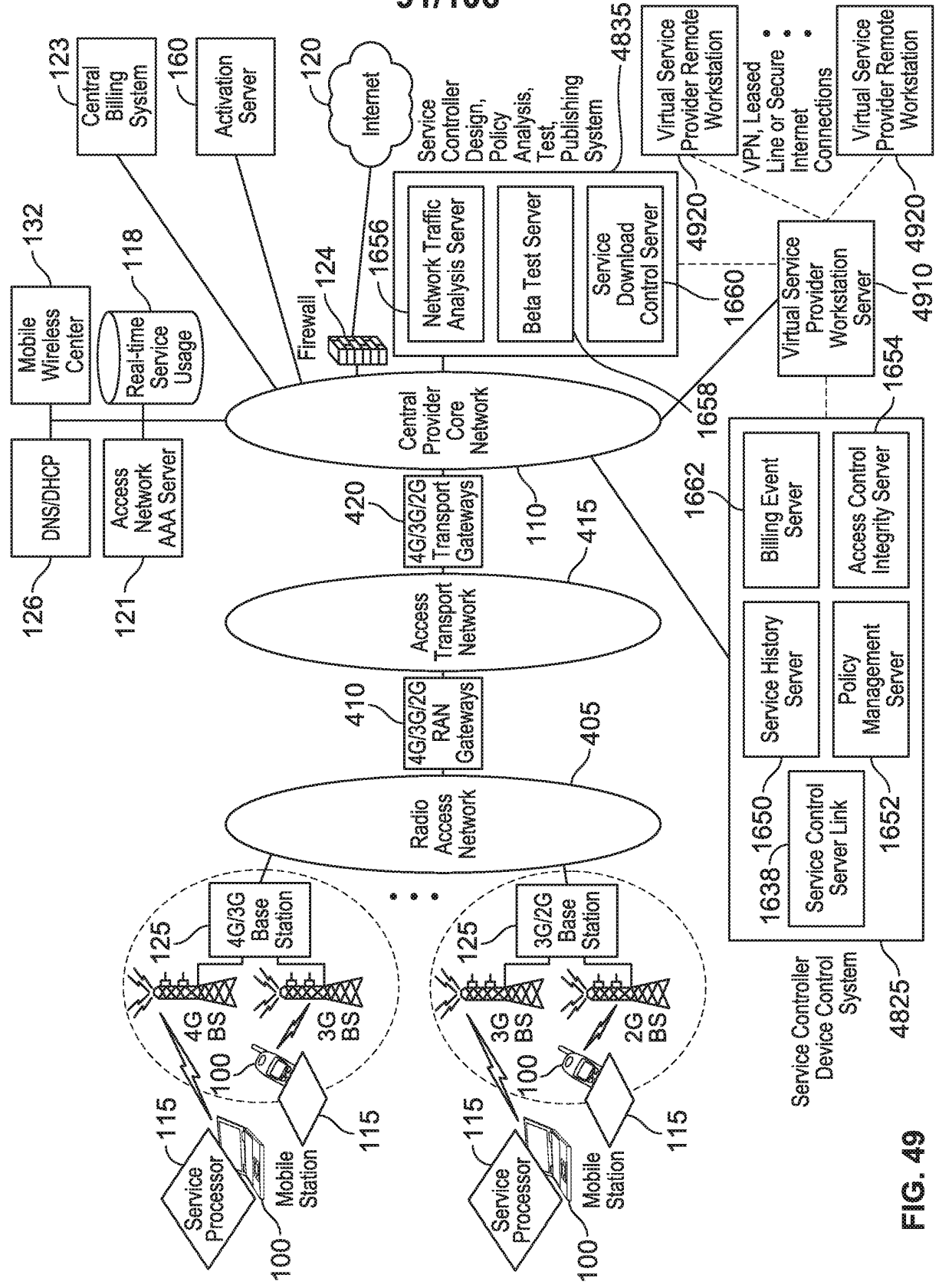


FIG. 49

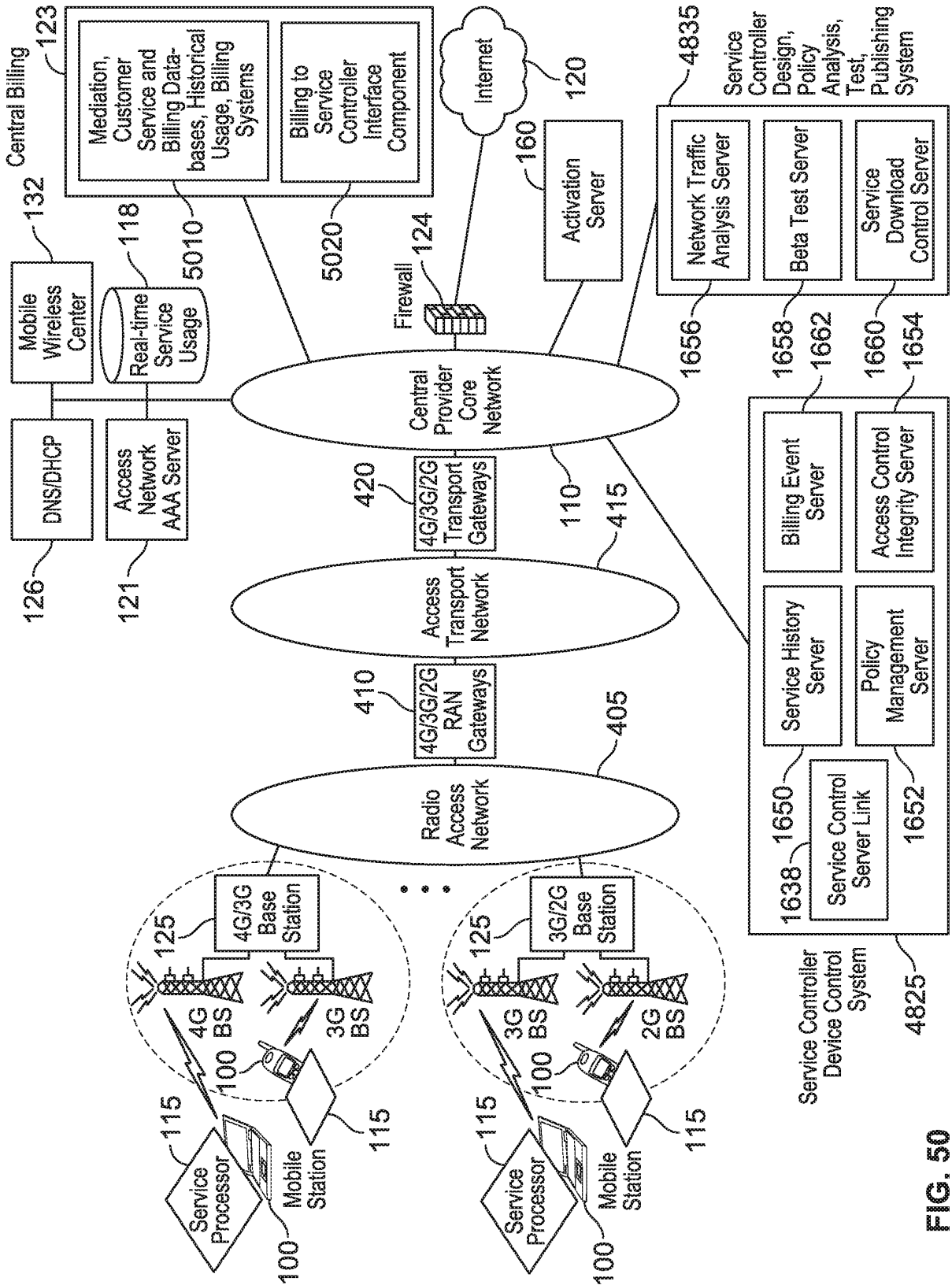


FIG. 50

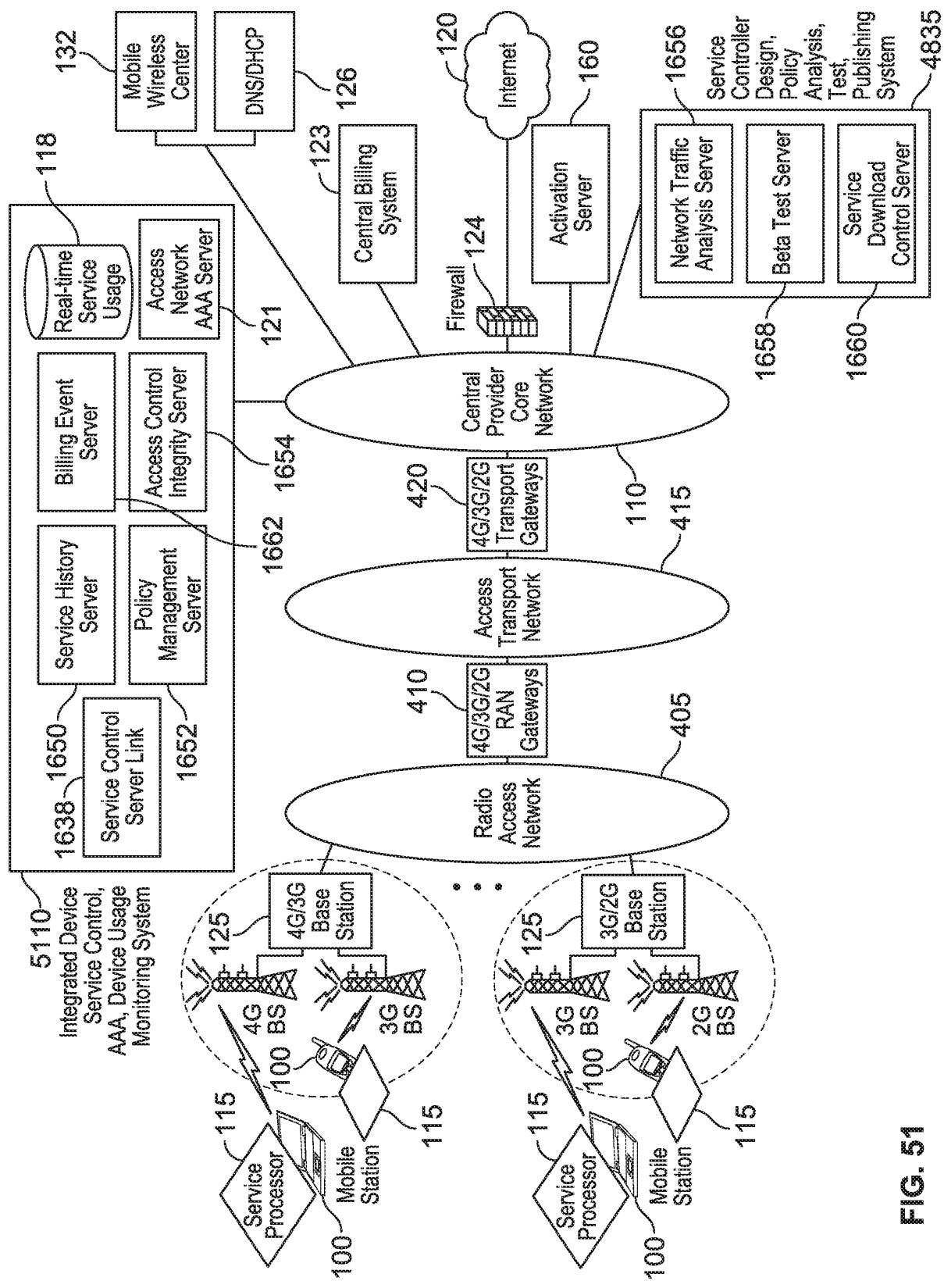


FIG. 51

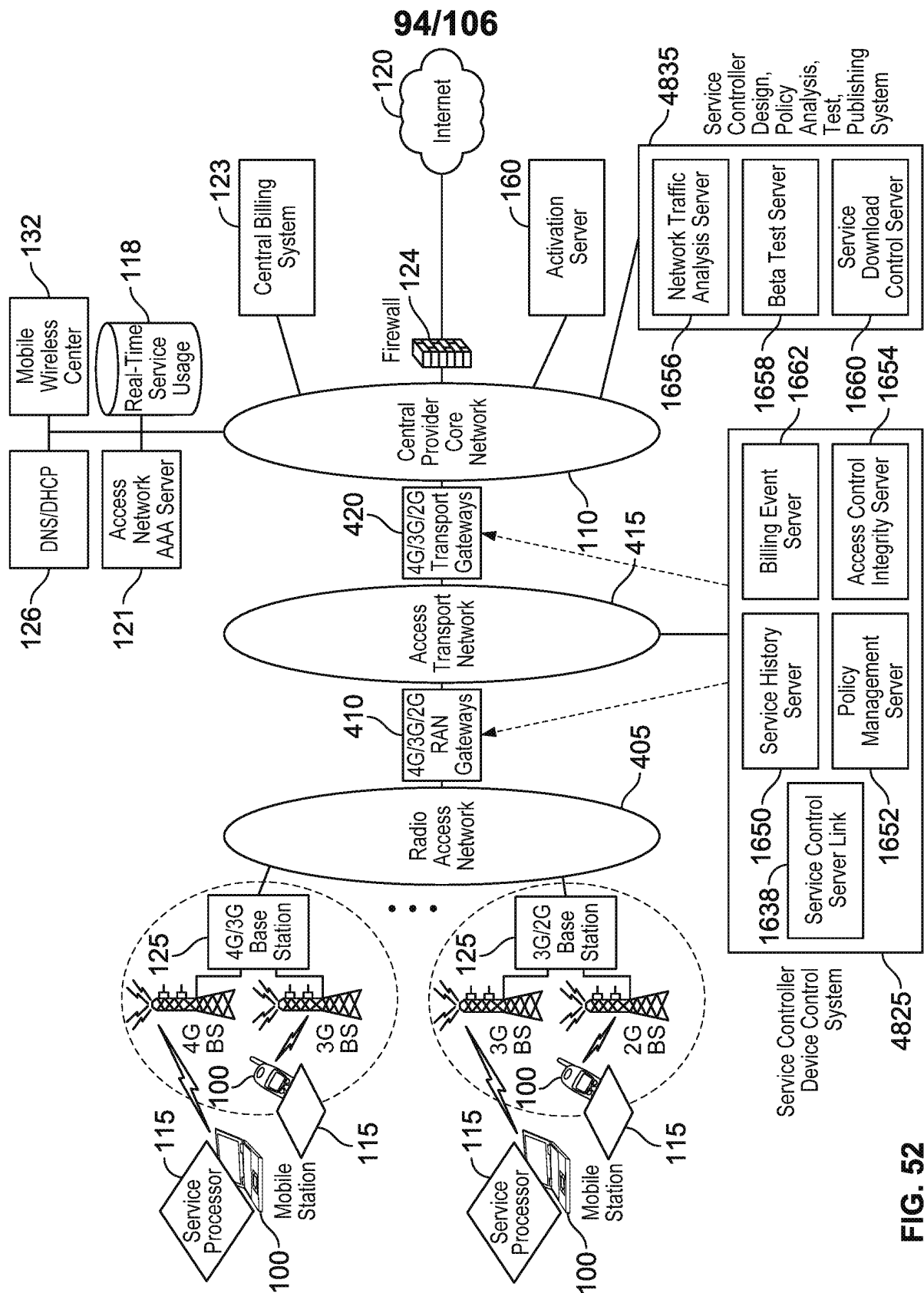


FIG. 52

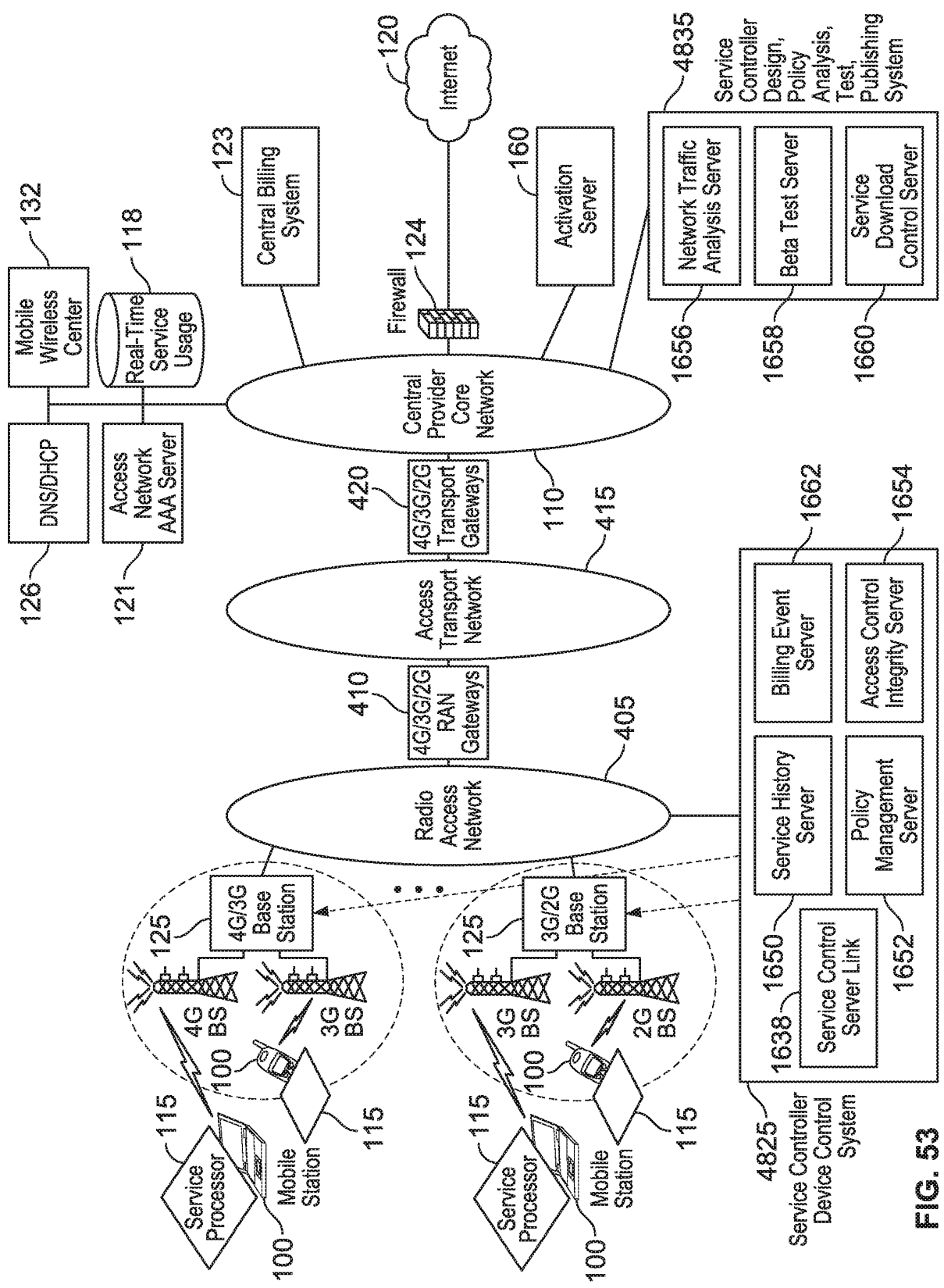


FIG. 53

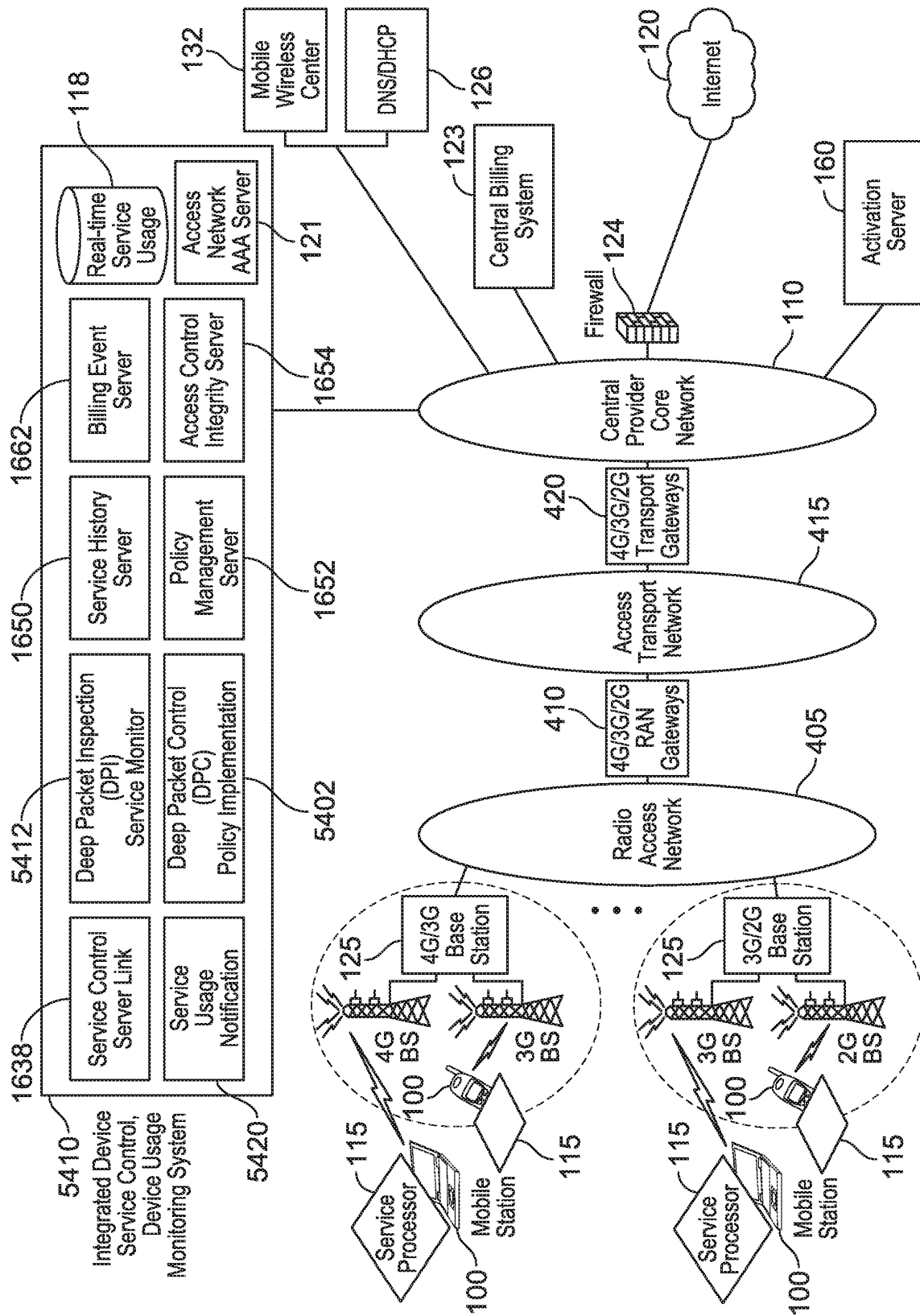


FIG. 54

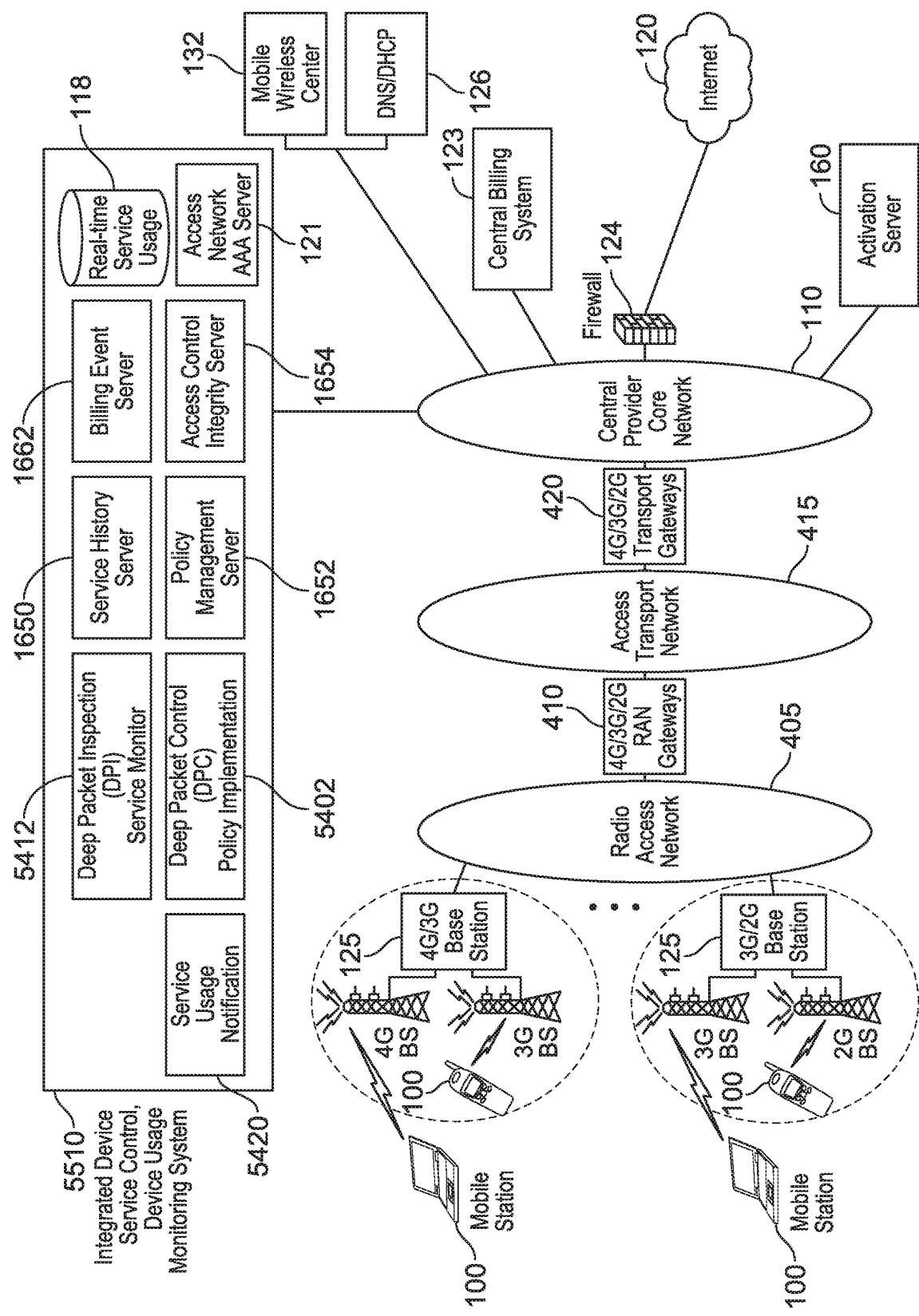
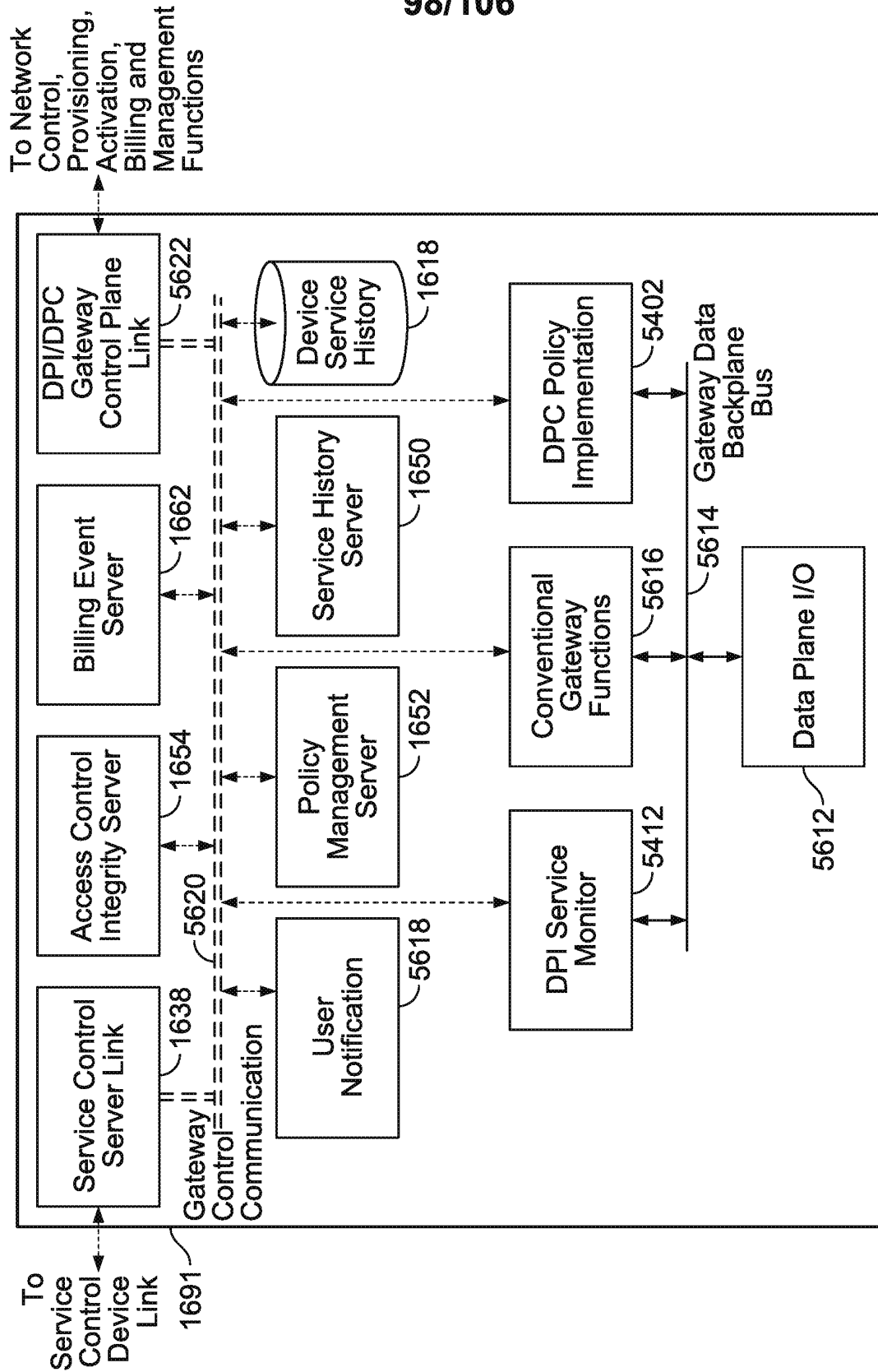


FIG. 55



4G/3G/2G
DPI/DPC Gateway 5610 **FIG. 56**

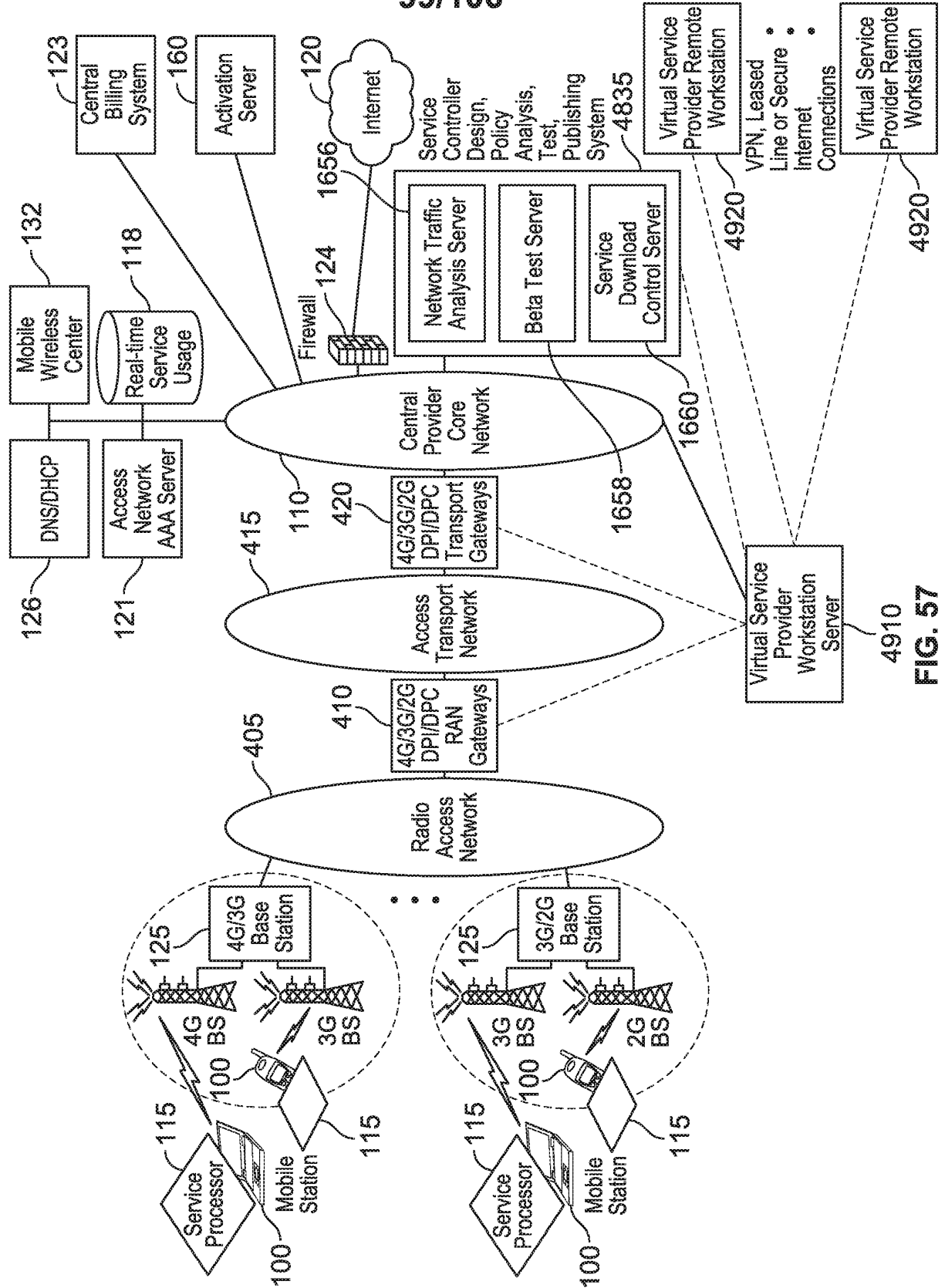


FIG. 57

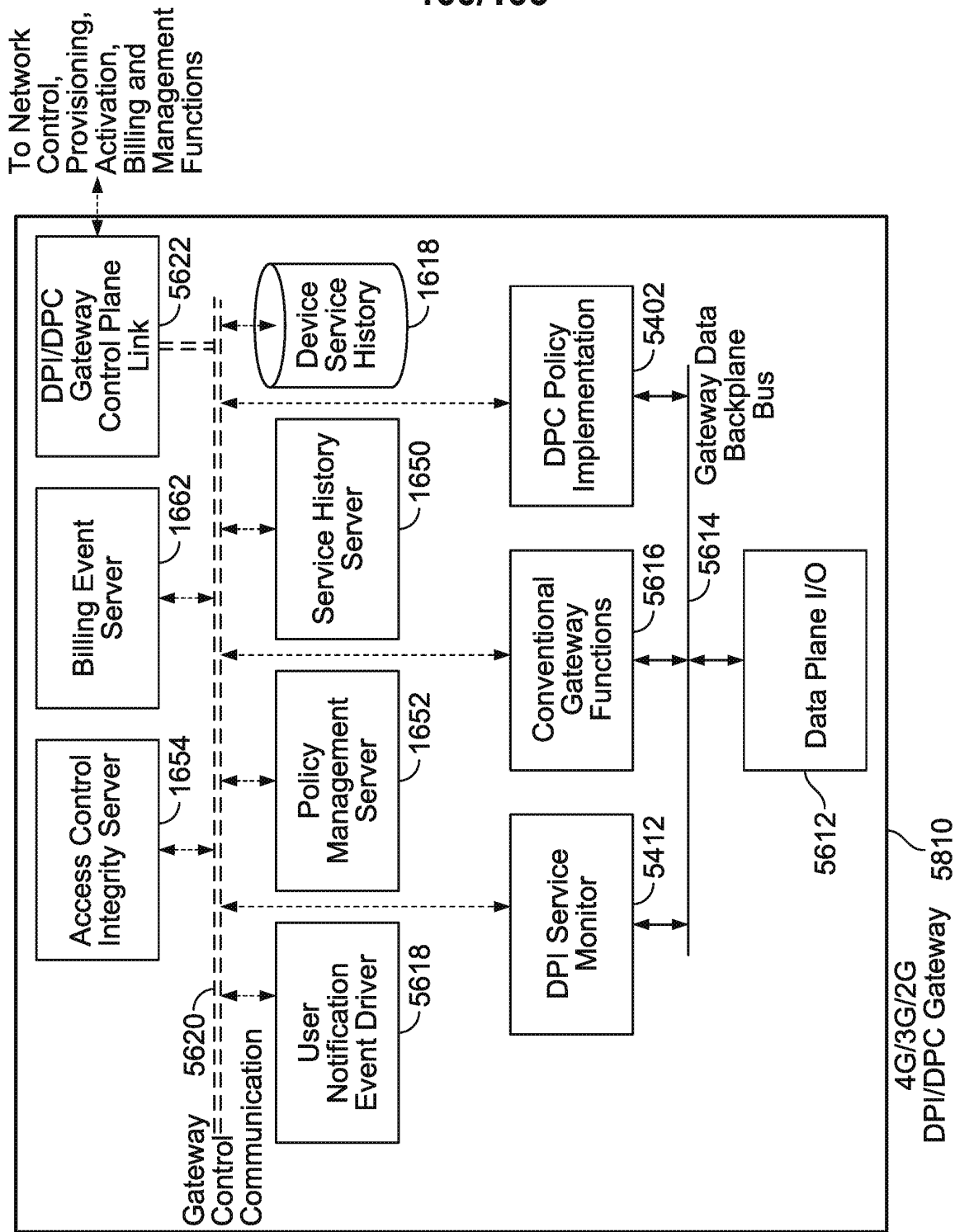


FIG. 58

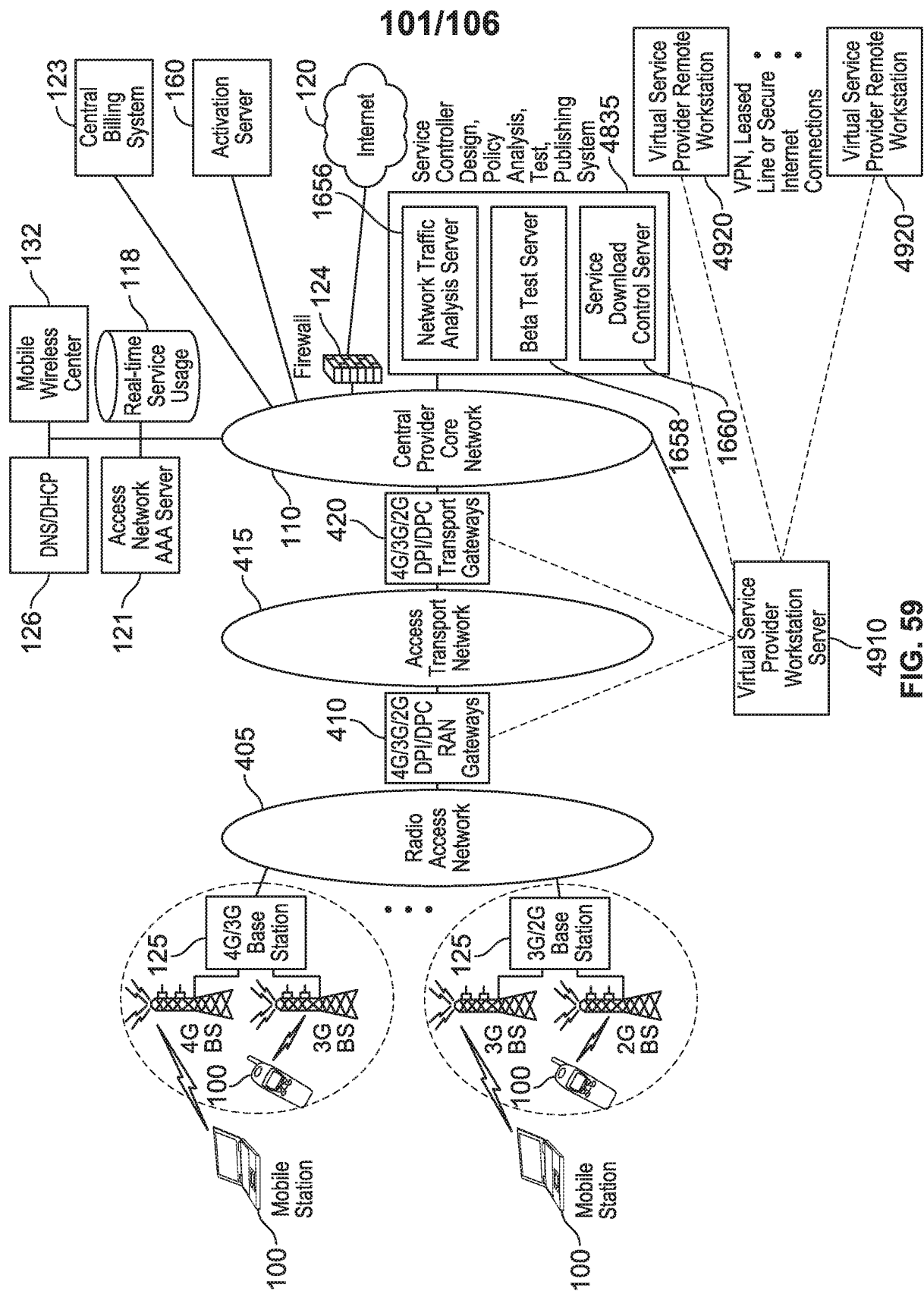
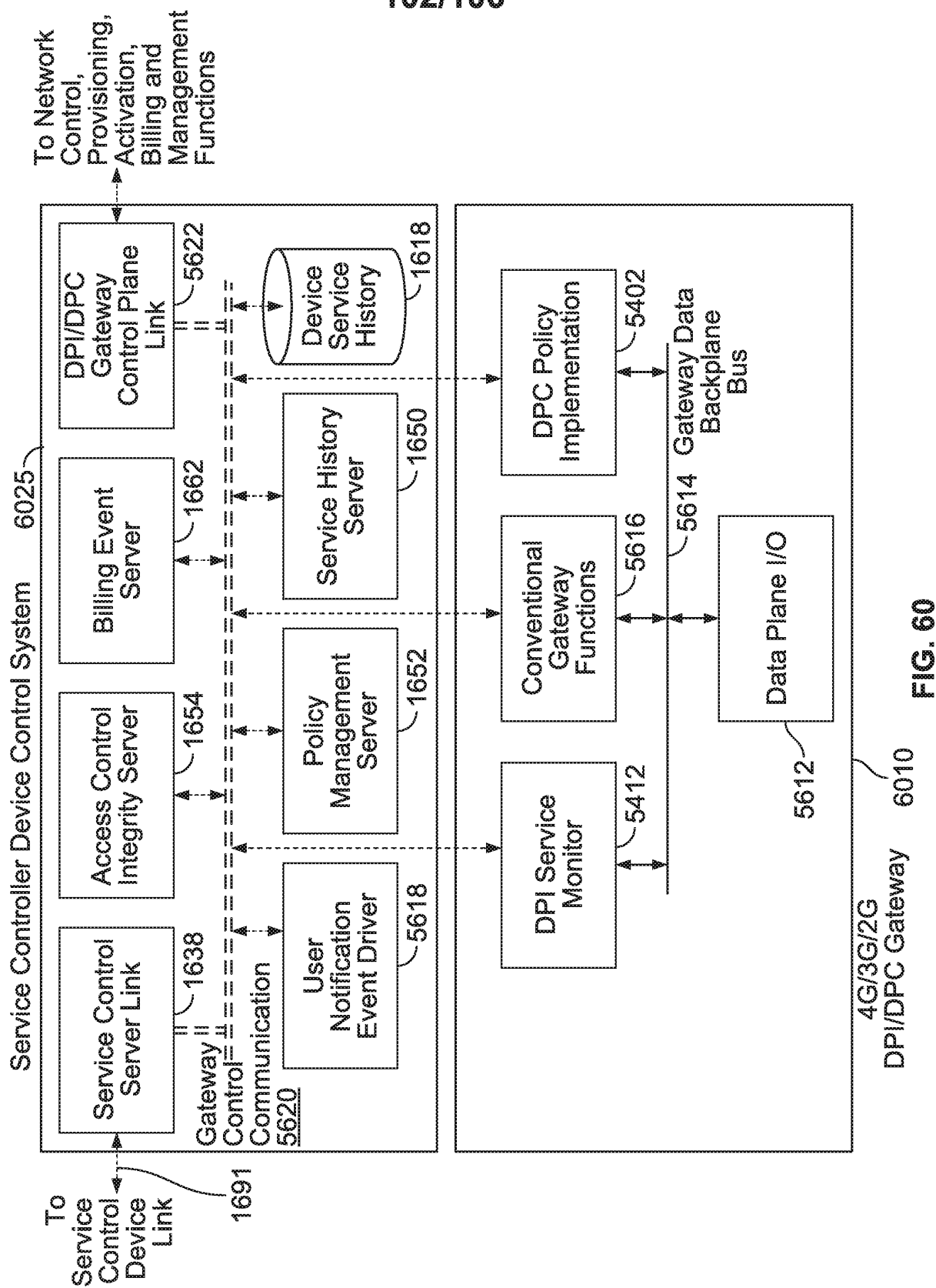


FIG. 59



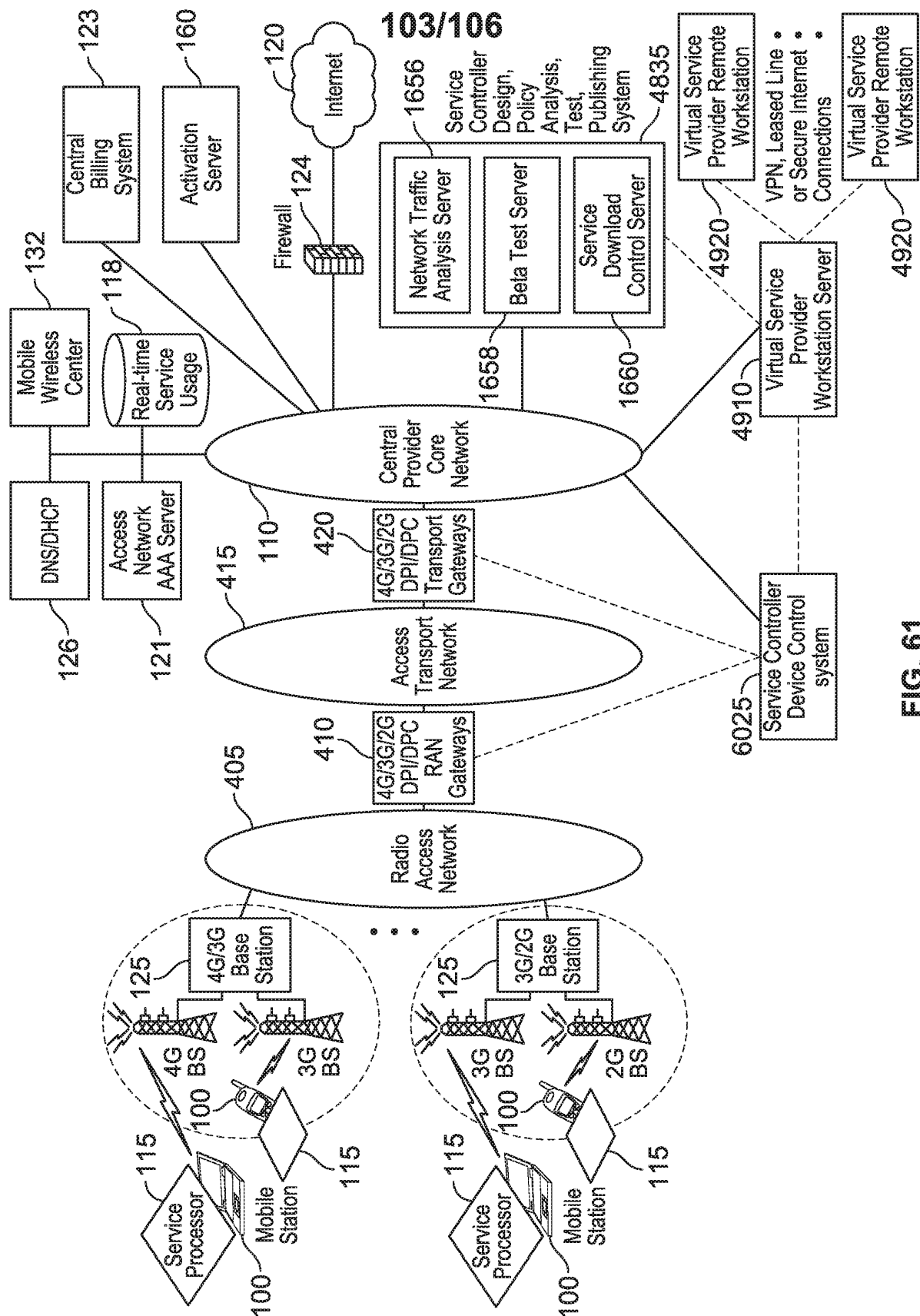


FIG. 61

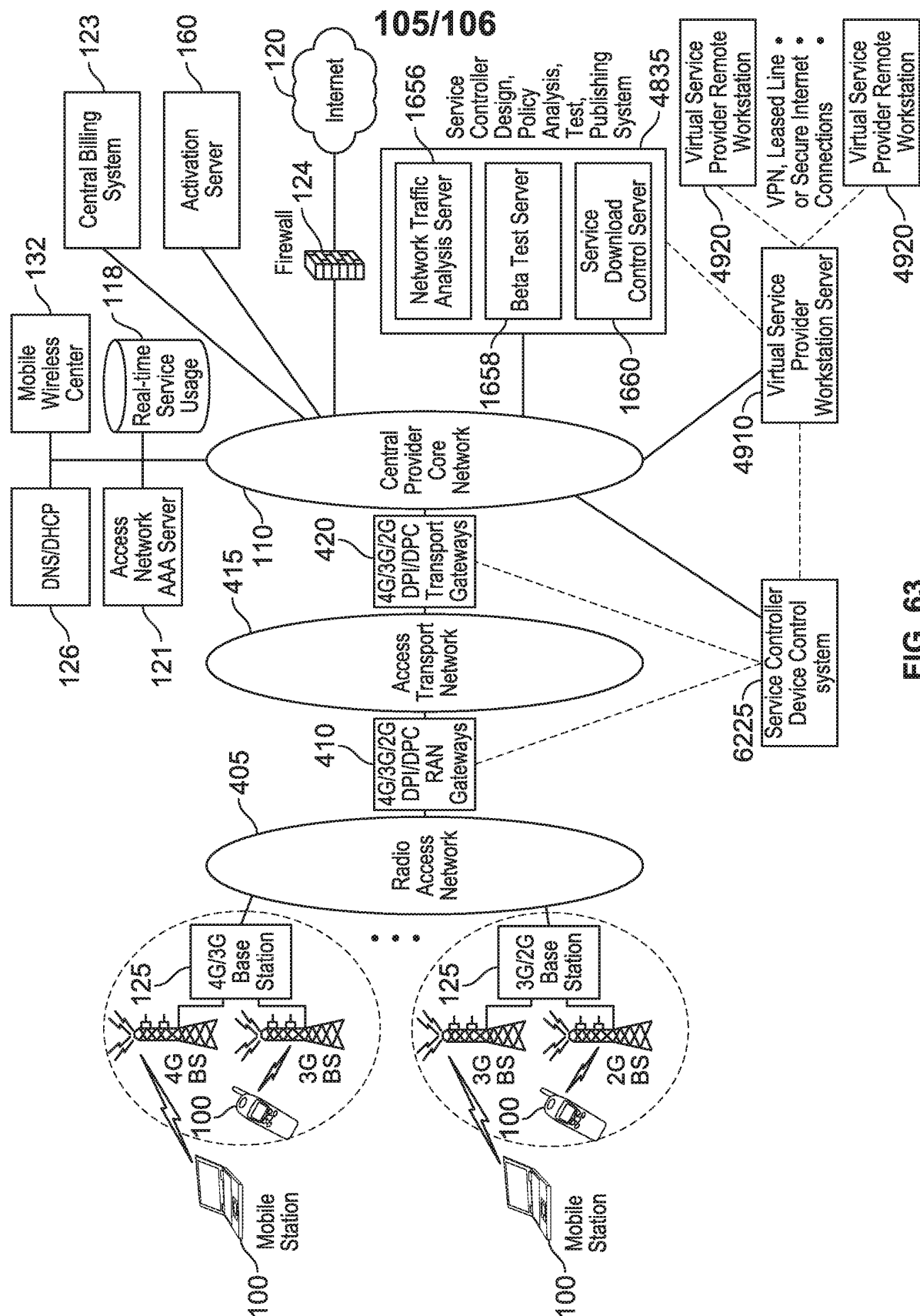


FIG. 63

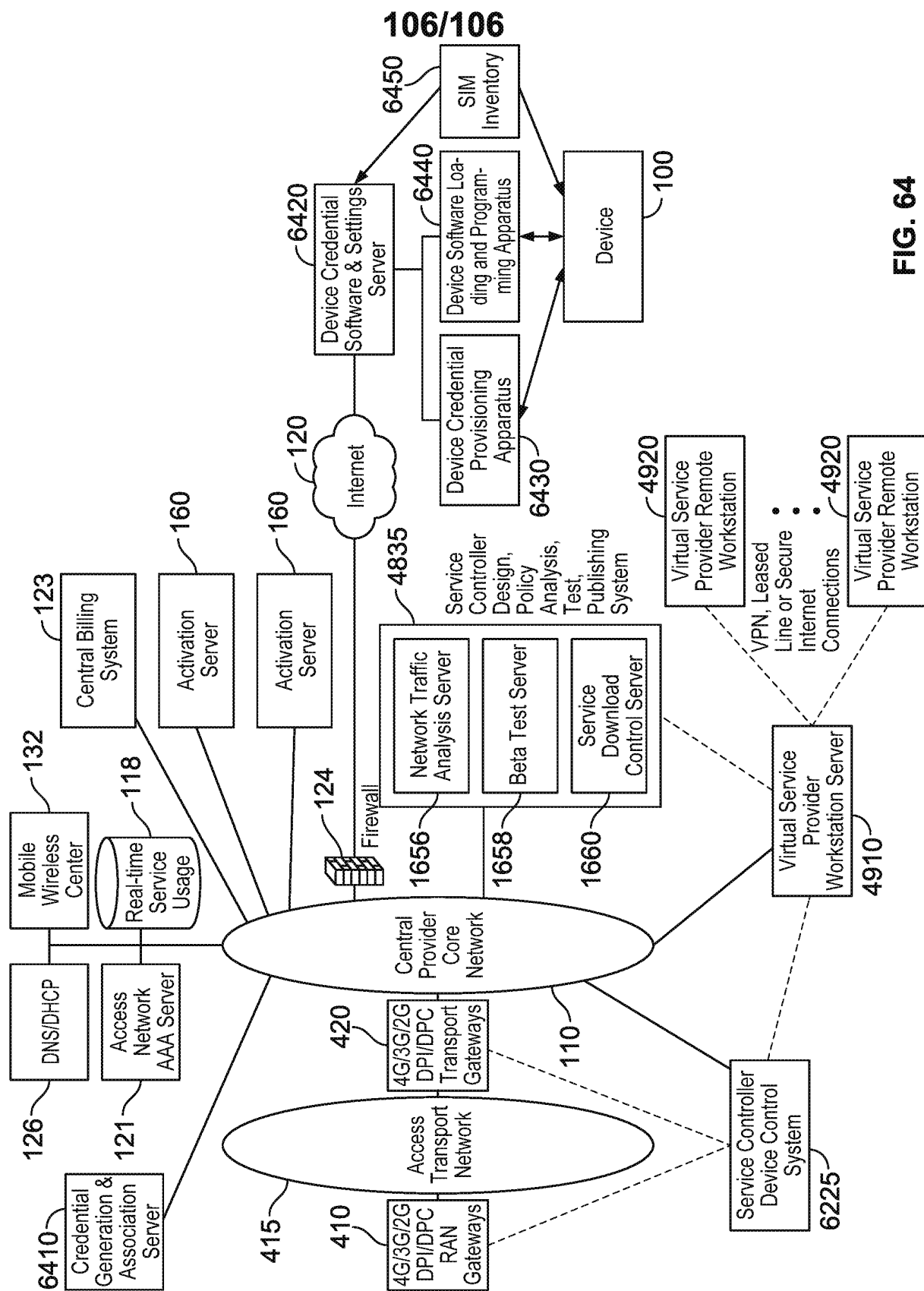


FIG. 64

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	RALEP007C11C3C2C3C1C1
		Application Number	
Title of Invention	Automated Device Provisioning and Activation		
The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.			

Secrecy Order 37 CFR 5.2:

☐	Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)
--------------------------	---

Inventor Information:

Inventor	1				Remove	
Legal Name						
Prefix	Given Name	Middle Name	Family Name	Suffix		
	Gregory	G	Raleigh			
Residence Information (Select One) • US Residency Non US Residency Active US Military Service						
City	Woodside	State/Province	CA	Country of Residence	US	
Mailing Address of Inventor:						
Address 1	1011 Pruitt Place					
Address 2						
City	Tyler	State/Province	TX			
Postal Code	75703	Country	US			
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.						
Add						

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).			
☐ An Address is being provided for the correspondence information of this application.			
Customer Number	106963		
Email Address	patent@headwaterllc.com	Add Email	Remove Email

Application Information:

Title of the Invention	Automated Device Provisioning and Activation		
Attorney Docket Number	RALEP007C11C3C2C3C1C1	Small Entity Status Claimed	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	106	Suggested Figure for Publication (if any)	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	RALEP007C11C3C2C3C1C1
		Application Number	
Title of Invention	Automated Device Provisioning and Activation		

Filing By Reference:

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	☒ Customer Number	☐ US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)
Customer Number	106963		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

When referring to the current application, please leave the "Application Number" field blank.

Prior Application Status	Pending	Remove	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
this application	Continuation of	15427837	2017-02-08

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number		RALEP007C11C3C2C3C1C1	
		Application Number			
Title of Invention		Automated Device Provisioning and Activation			

Prior Application Status		Patented		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15427837	Continuation of	15239398	2016-08-17	9641957	2017-05-02
Prior Application Status		Patented		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15239398	Continuation of	14979233	2015-12-22	9532161	2016-12-27
Prior Application Status		Patented		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
14979233	Continuation of	14667353	2015-03-24	9232403	2016-01-05
Prior Application Status		Patented		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
14667353	Continuation of	14263604	2014-04-28	9037127	2015-05-19
Prior Application Status		Patented		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
14263604	Continuation of	12380780	2009-03-02	8839388	2014-09-16
Prior Application Status		Expired		Remove	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
12380780	Claims benefit of provisional	61206354	2009-01-28		
Prior Application Status		Expired		Remove	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
12380780	Claims benefit of provisional	61206944	2009-02-04		
Prior Application Status		Expired		Remove	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
12380780	Claims benefit of provisional	61207393	2009-02-10		
Prior Application Status		Expired		Remove	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
12380780	Claims benefit of provisional	61207739	2009-02-13		

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.

Add

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	RALEP007C11C3C2C3C1C1
		Application Number	
Title of Invention	Automated Device Provisioning and Activation		

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)¹ the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Application Number	Country ^j	Filing Date (YYYY-MM-DD)	Access Code ^j (if applicable)	Remove

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.

NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	RALEP007C11C3C2C3C1C1
		Application Number	
Title of Invention	Automated Device Provisioning and Activation		

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

☐ A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

☐ B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	RALEP007C11C3C2C3C1C1
		Application Number	
Title of Invention	Automated Device Provisioning and Activation		

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.			
Applicant	1	Remove	
If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.			
		Clear	
☐ Assignee	Legal Representative under 35 U.S.C. 117		Joint Inventor
Person to whom the inventor is obligated to assign.		Person who shows sufficient proprietary interest	
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:			
Name of the Deceased or Legally Incapacitated Inventor:			
If the Applicant is an Organization check here. ☒			
Organization Name	Headwater Research LLC		
Mailing Address Information For Applicant:			
Address 1	1011 Pruitt Place		
Address 2			
City	Tyler	State/Province	TX
Country	US	Postal Code	75703
Phone Number	903-201-6212	Fax Number	
Email Address	patent@headwaterllc.com		
Additional Applicant Data may be generated within this form by selecting the Add button.			Add

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	RALEP007C11C3C2C3C1C1
		Application Number	
Title of Invention	Automated Device Provisioning and Activation		

Assignee	1			
Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.				
				Remove
If the Assignee or Non-Applicant Assignee is an Organization check here.				☐
Prefix	Given Name	Middle Name	Family Name	Suffix
Mailing Address Information For Assignee including Non-Applicant Assignee:				
Address 1				
Address 2				
City		State/Province		
Country ⁱ		Postal Code		
Phone Number		Fax Number		
Email Address				
Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.				Add

Signature:

NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). However, if this Application Data Sheet is submitted with the **INITIAL** filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c).

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See 37 CFR 1.4(d) for the manner of making signatures and certifications.

Signature	/James E. Harris/		Date (YYYY-MM-DD)	2019-05-23
First Name	James E.	Last Name	Harris	Registration Number
				40013
Additional Signature may be generated within this form by selecting the Add button.				Add

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	RALEP007C11C3C2C3C1C1
		Application Number	
Title of Invention	Automated Device Provisioning and Activation		

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal				
Application Number:				
Filing Date:				
Title of Invention:		Automated Device Provisioning and Activation		
First Named Inventor/Applicant Name:		GREGORY G RALEIGH		
Filer:		James E. Harris/Jennifer Smith		
Attorney Docket Number:		RALEP007C11C3C2C3C1C1		
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
UTILITY FILING FEE (ELECTRONIC FILING)	4011	1	75	75
UTILITY SEARCH FEE	2111	1	330	330
UTILITY EXAMINATION FEE	2311	1	380	380
Pages:				
UTILITY APPL SIZE FEE PER 50 SHEETS >100	2081	4	200	800
Claims:				
Miscellaneous-Filing:				
Petition:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				1585

Electronic Acknowledgement Receipt

EFS ID:	36102638
Application Number:	16421121
International Application Number:	
Confirmation Number:	3747
Title of Invention:	Automated Device Provisioning and Activation
First Named Inventor/Applicant Name:	GREGORY G RALEIGH
Customer Number:	106963
Filer:	James E. Harris/Jennifer Smith
Filer Authorized By:	James E. Harris
Attorney Docket Number:	RALEP007C11C3C2C3C1C1
Receipt Date:	23-MAY-2019
Filing Date:	
Time Stamp:	17:28:31
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
------------------------	----

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Specification	P007C11C3C2C3C1C1_SPEC. pdf	1083938 a9c5a9c89a14053965ddc44a794a59721b2504b7	no	240

Warnings:

Information:					
2	Claims	claims.pdf	56964	no	1
			d824349d74356c6bf2a3fc670d5720746518515f		
Warnings:					
Information:					
3	Abstract	Abstract.pdf	37940	no	1
			8c90e59b068897e1fac7c0cb6dd0cc9e079f6fff		
Warnings:					
Information:					
4	Oath or Declaration filed	Raleigh_Declaration.pdf	102430	no	1
			ed5408388d208b331e5023da59eb7446866b3ed0		
Warnings:					
Information:					
5	Drawings-only black and white line drawings	Drawings.pdf	10154852	no	106
			fc288440afaf45c437e0efa1421c31bfa8acf9b1		
Warnings:					
Information:					
6	Application Data Sheet	ADS.pdf	1256666	no	9
			a9931bf7d6ebe1f085b5985e04f689003873b141		
Warnings:					
Information:					
7	Fee Worksheet (SB06)	fee-info.pdf	36776	no	2
			af2a21fc9427355d01192c13c7057f0bed342c9f		
Warnings:					
Information:					
Total Files Size (in bytes):			12729566		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.