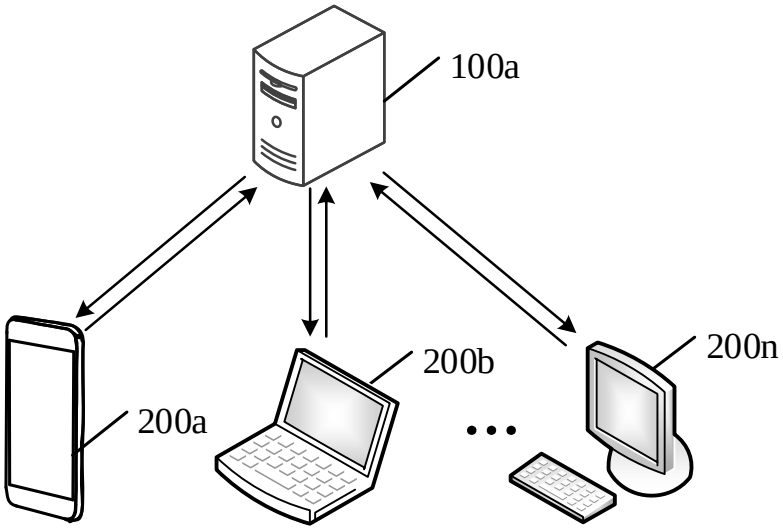


FIG. 1

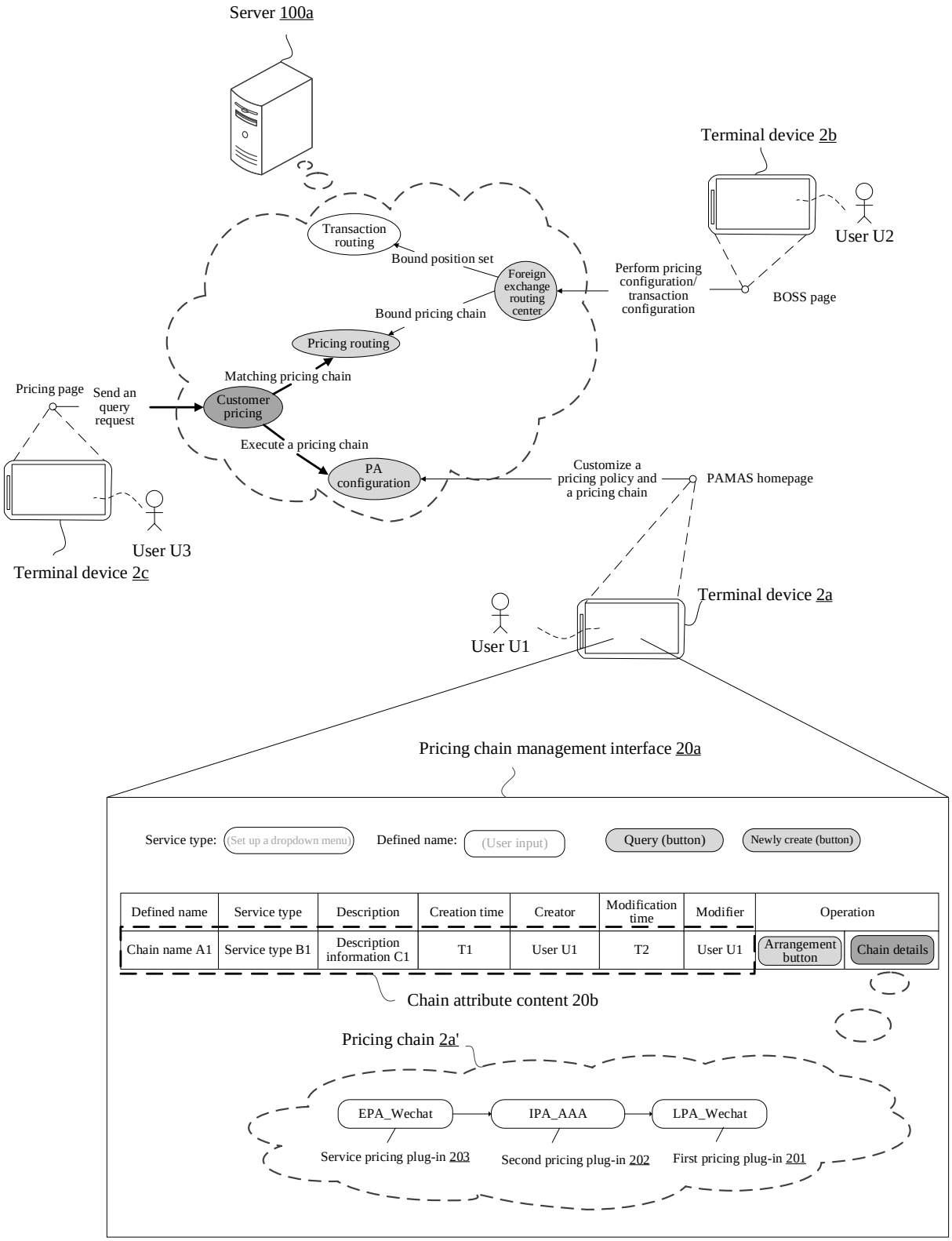

Server 100a
Terminal device 2b
User U2
Transaction routing
Bound position set
Foreign exchange routing center
Perform pricing configuration/ transaction configuration
BOSS page
Bound pricing chain
Pricing routing
Matching pricing chain
Pricing page
Send an query request
Customer pricing
Execute a pricing chain
PA configuration
Customize a pricing policy and a pricing chain
PAMAS homepage
User U3
Terminal device 2c
User U1
Terminal device 2a
Pricing chain management interface 20a
Service type:
(Set up a dropdown menu)
Defined name:
(User input)
Query (button)
Newly create (button)
Defined name
Service type
Description
Creation time
Creator
Modification time
Modifier
Operation
Chain name A1
Service type B1
Description information C1
T1
User U1
T2
User U1
Arrangement button
Chain details
Chain attribute content 20b
Pricing chain 2a'
EPA_Wechat
IPA_AAA
LPA_Wechat
Service pricing plug-in 203
Second pricing plug-in 202
First pricing plug-in 201

FIG. 2

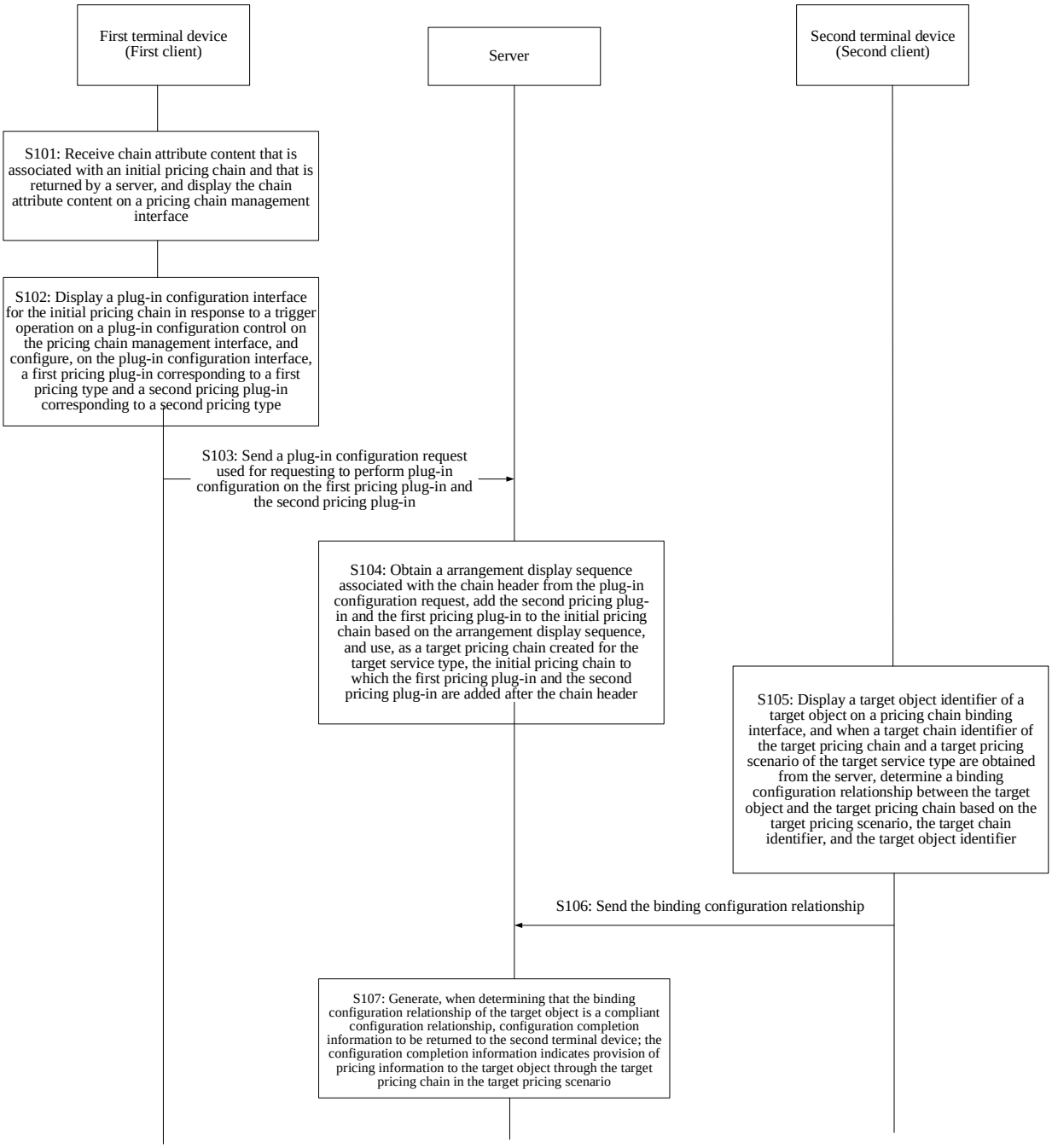

First terminal device (First client)
Server
Second terminal device (Second client)
S101: Receive chain attribute content that is associated with an initial pricing chain and that is returned by a server, and display the chain attribute content on a pricing chain management interface
S102: Display a plug-in configuration interface for the initial pricing chain in response to a trigger operation on a plug-in configuration control on the pricing chain management interface, and configure, on the plug-in configuration interface, a first pricing plug-in corresponding to a first pricing type and a second pricing plug-in corresponding to a second pricing type
S103: Send a plug-in configuration request used for requesting to perform plug-in configuration on the first pricing plug-in and the second pricing plug-in
S104: Obtain a arrangement display sequence associated with the chain header from the plug-in configuration request, add the second pricing plug-in and the first pricing plug-in to the initial pricing chain based on the arrangement display sequence, and use, as a target pricing chain created for the target service type, the initial pricing chain to which the first pricing plug-in and the second pricing plug-in are added after the chain header
S105: Display a target object identifier of a target object on a pricing chain binding interface, and when a target chain identifier of the target pricing chain and a target pricing scenario of the target service type are obtained from the server, determine a binding configuration relationship between the target object and the target pricing chain based on the target pricing scenario, the target chain identifier, and the target object identifier
S106: Send the binding configuration relationship
S107: Generate, when determining that the binding configuration relationship of the target object is a compliant configuration relationship, configuration completion information to be returned to the second terminal device; the configuration completion information indicates provision of pricing information to the target object through the target pricing chain in the target pricing scenario

FIG. 3

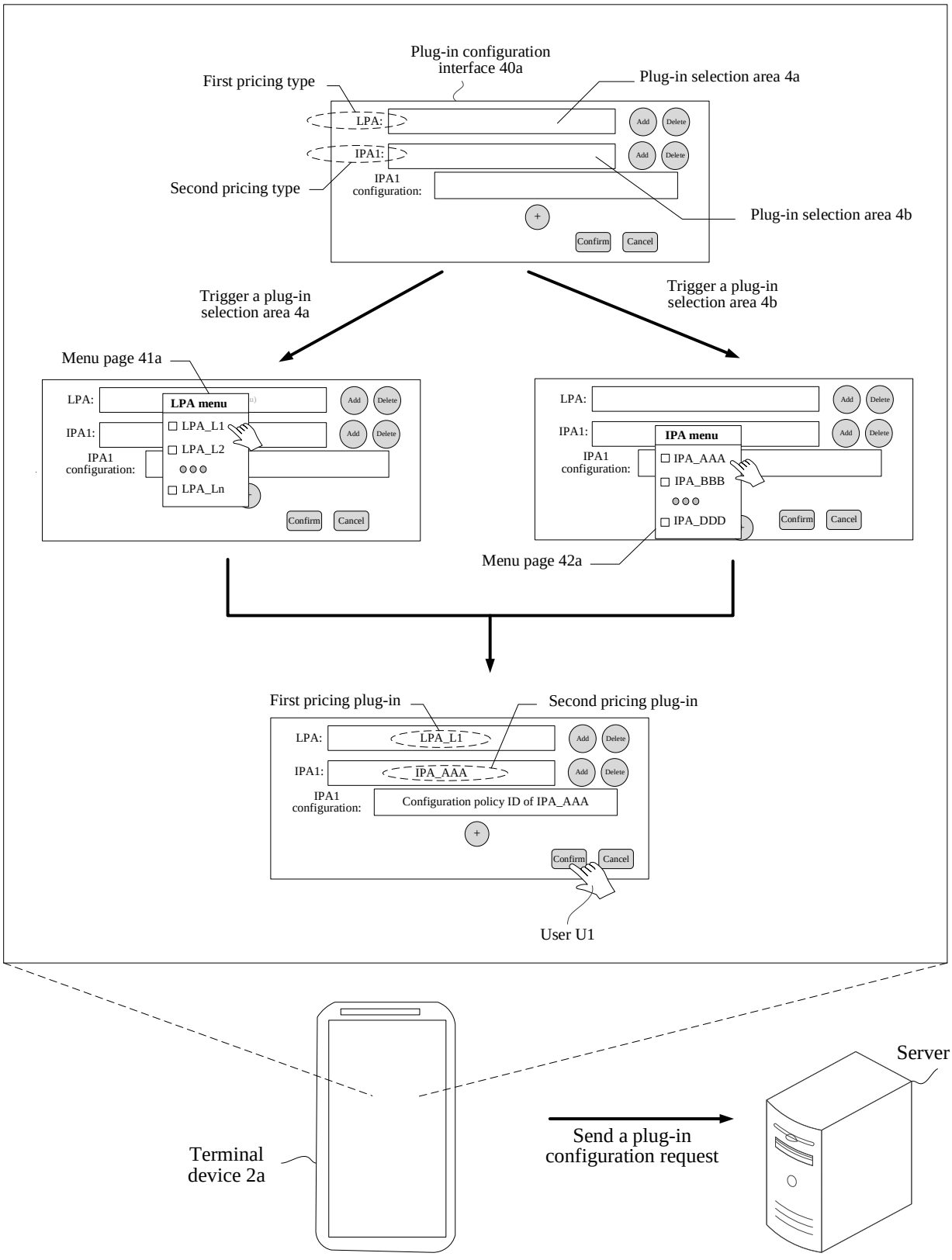

Plug-in configuration interface 40a
First pricing type
Plug-in selection area 4a
LPA:
IPA1:
Add
Delete
IPA1 configuration:
Second pricing type
Plug-in selection area 4b
Confirm
Cancel
Trigger a plug-in selection area 4a
Trigger a plug-in selection area 4b
Menu page 41a
LPA menu
LPA_L1
LPA_L2
LPA_Ln
IPA menu
IPA_AAA
IPA_BBB
IPA_DDD
Menu page 42a
First pricing plug-in
Second pricing plug-in
LPA_L1
IPA_AAA
Configuration policy ID of IPA_AAA
User U1
Terminal device 2a
Send a plug-in configuration request
Server

FIG. 4

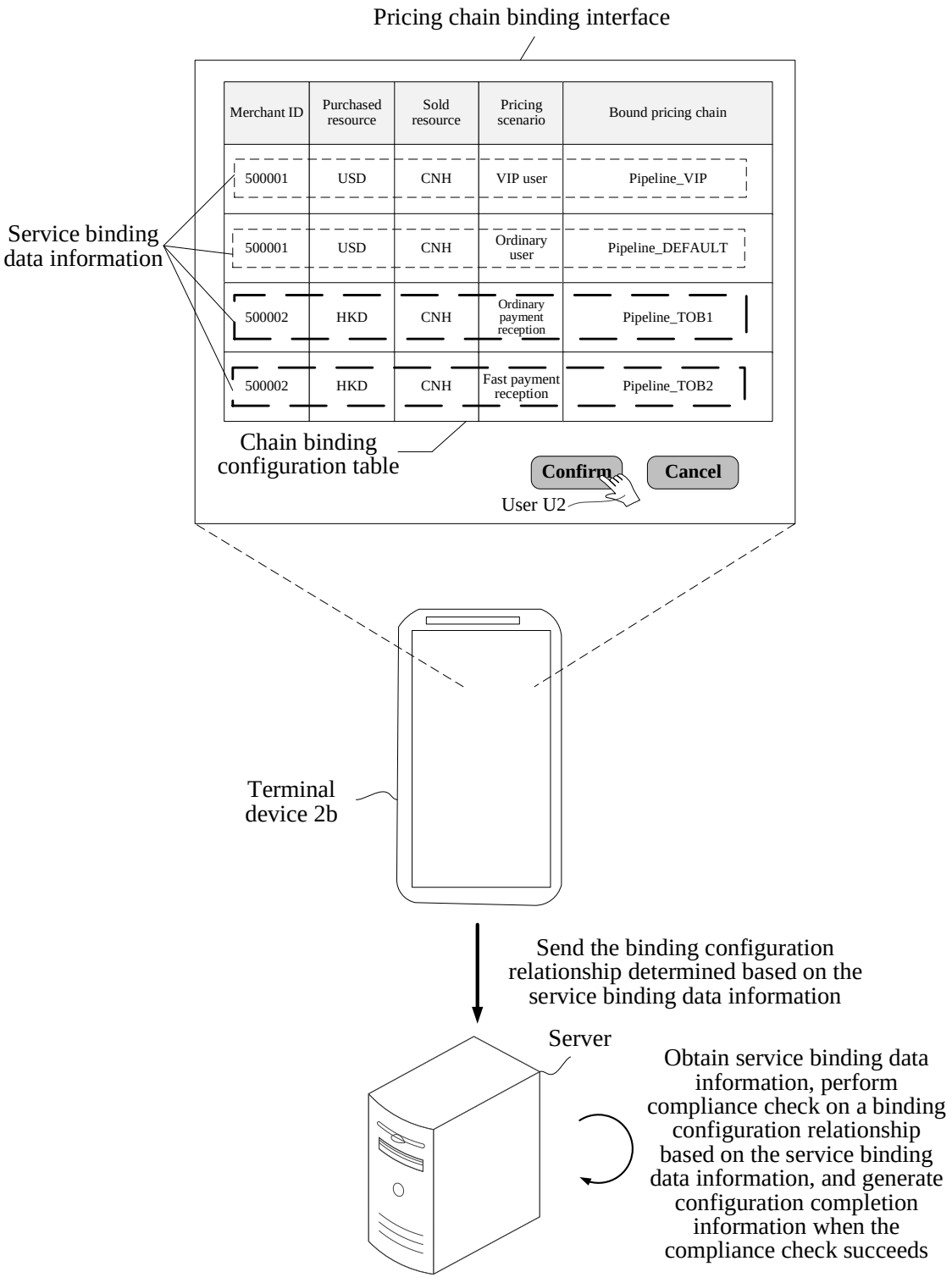

Pricing chain binding interface
Merchant ID
Purchased resource
Sold resource
Pricing scenario
Bound pricing chain
500001
USD
CNH
VIP user
Pipeline_VIP
500001
USD
CNH
Ordinary user
Pipeline_DEFAULT
500002
HKD
CNH
Ordinary payment reception
Pipeline_TOB1
500002
HKD
CNH
Fast payment reception
Pipeline_TOB2
Service binding data information
Chain binding configuration table
Confirm
Cancel
User U2
Terminal device 2b
Send the binding configuration relationship determined based on the service binding data information
Server
Obtain service binding data information, perform compliance check on a binding configuration relationship based on the service binding data information, and generate configuration completion information when the compliance check succeeds

FIG. 5

Pricing routing mapping table 6a

Arrangement sequence number	Merchant ID	Bought resource	Sold resource	Pricing scenario	Chain ID of bound pricing chain
001	5001049	USD	CNH	Ordinary payment reception	Sequence number 1
002	5001050	HKD	CNY	Ordinary payment reception	Sequence number 1

Object 61a

Object 62a

Pricing chain 63a

FIG. 6

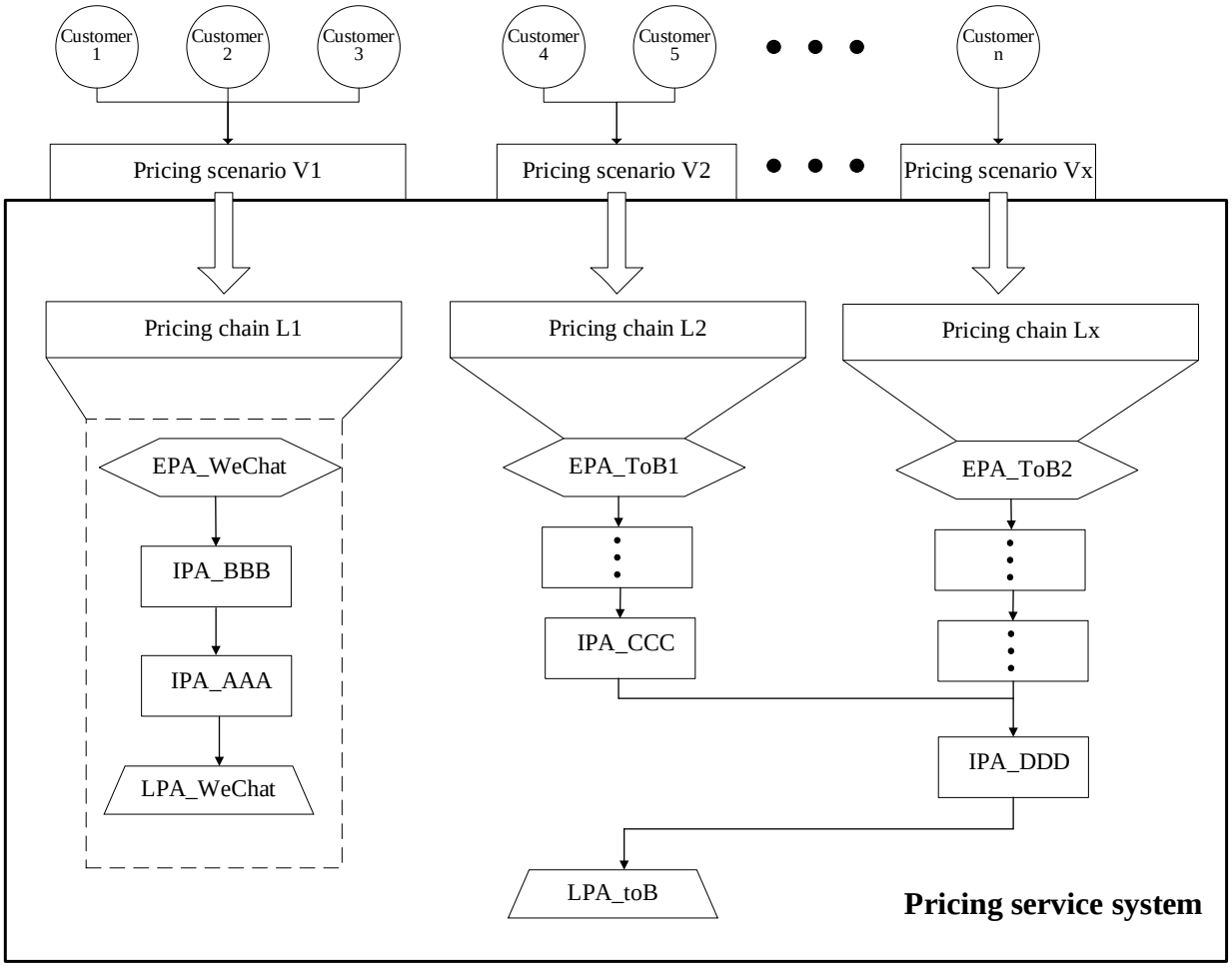


FIG. 7

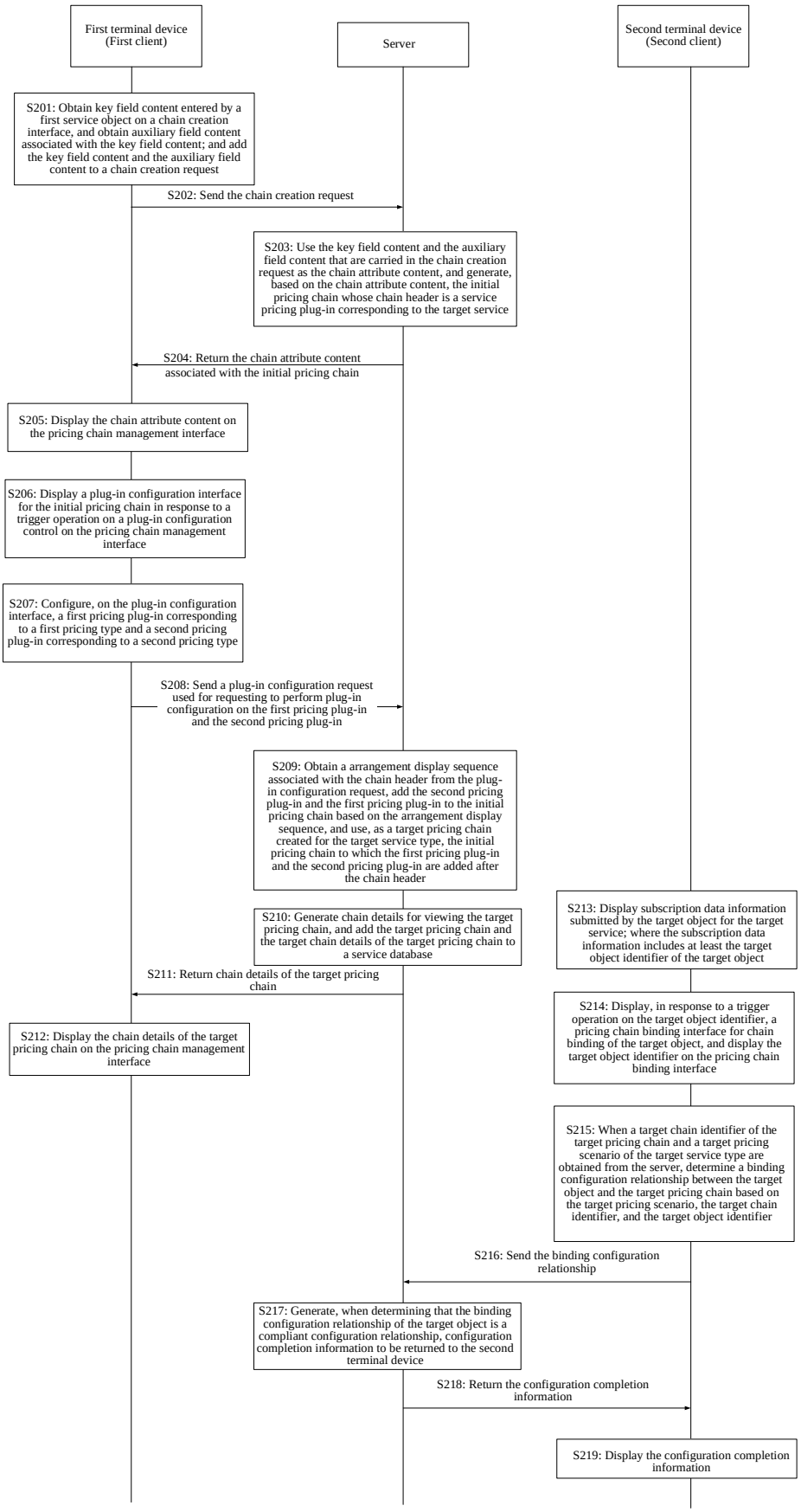

First terminal device (First client)
Server
Second terminal device (Second client)
S201: Obtain key field content entered by a first service object on a chain creation interface, and obtain auxiliary field content associated with the key field content; and add the key field content and the auxiliary field content to a chain creation request
S202: Send the chain creation request
S203: Use the key field content and the auxiliary field content that are carried in the chain creation request as the chain attribute content, and generate, based on the chain attribute content, the initial pricing chain whose chain header is a service pricing plug-in corresponding to the target service
S204: Return the chain attribute content associated with the initial pricing chain
S205: Display the chain attribute content on the pricing chain management interface
S206: Display a plug-in configuration interface for the initial pricing chain in response to a trigger operation on a plug-in configuration control on the pricing chain management interface
S207: Configure, on the plug-in configuration interface, a first pricing plug-in corresponding to a first pricing type and a second pricing plug-in corresponding to a second pricing type
S208: Send a plug-in configuration request used for requesting to perform plug-in configuration on the first pricing plug-in and the second pricing plug-in
S209: Obtain a arrangement display sequence associated with the chain header from the plug-in configuration request, add the second pricing plug-in and the first pricing plug-in to the initial pricing chain based on the arrangement display sequence, and use, as a target pricing chain created for the target service type, the initial pricing chain to which the first pricing plug-in and the second pricing plug-in are added after the chain header
S210: Generate chain details for viewing the target pricing chain, and add the target pricing chain and the target chain details of the target pricing chain to a service database
S211: Return chain details of the target pricing chain
S212: Display the chain details of the target pricing chain on the pricing chain management interface
S213: Display subscription data information submitted by the target object for the target service; where the subscription data information includes at least the target object identifier of the target object
S214: Display, in response to a trigger operation on the target object identifier, a pricing chain binding interface for chain binding of the target object, and display the target object identifier on the pricing chain binding interface
S215: When a target chain identifier of the target pricing chain and a target pricing scenario of the target service type are obtained from the server, determine a binding configuration relationship between the target object and the target pricing chain based on the target pricing scenario, the target chain identifier, and the target object identifier
S216: Send the binding configuration relationship
S217: Generate, when determining that the binding configuration relationship of the target object is a compliant configuration relationship, configuration completion information to be returned to the second terminal device
S218: Return the configuration completion information
S219: Display the configuration completion information

FIG. 8

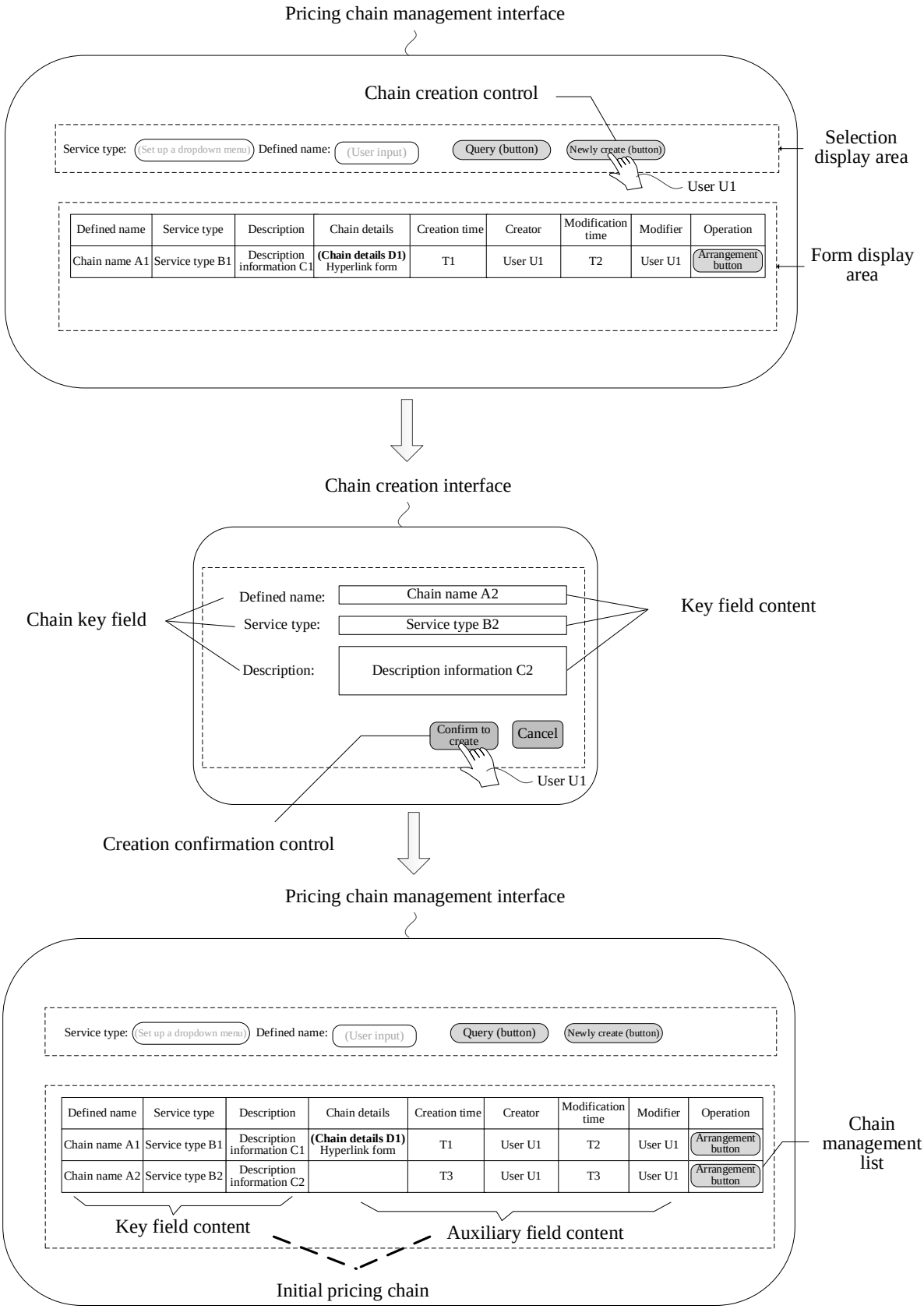

Pricing chain management interface
Chain creation control
Service type:
(Set up a dropdown menu)
Defined name:
(User input)
Query (button)
Newly create (button)
User U1
Selection display area
Defined name
Service type
Description
Chain details
Creation time
Creator
Modification time
Modifier
Operation
Chain name A1
Service type B1
Description information C1
(Chain details D1) Hyperlink form
T1
User U1
T2
User U1
Arrangement button
Form display area
Chain creation interface
Chain key field
Defined name:
Chain name A2
Service type:
Service type B2
Description:
Description information C2
Key field content
Confirm to create
Cancel
User U1
Creation confirmation control
Pricing chain management interface
Service type:
(Set up a dropdown menu)
Defined name:
(User input)
Query (button)
Newly create (button)
Defined name
Service type
Description
Chain details
Creation time
Creator
Modification time
Modifier
Operation
Chain name A1
Service type B1
Description information C1
(Chain details D1) Hyperlink form
T1
User U1
T2
User U1
Arrangement button
Chain name A2
Service type B2
Description information C2
T3
User U1
T3
User U1
Arrangement button
Chain management list
Key field content
Auxiliary field content
Initial pricing chain

FIG. 9

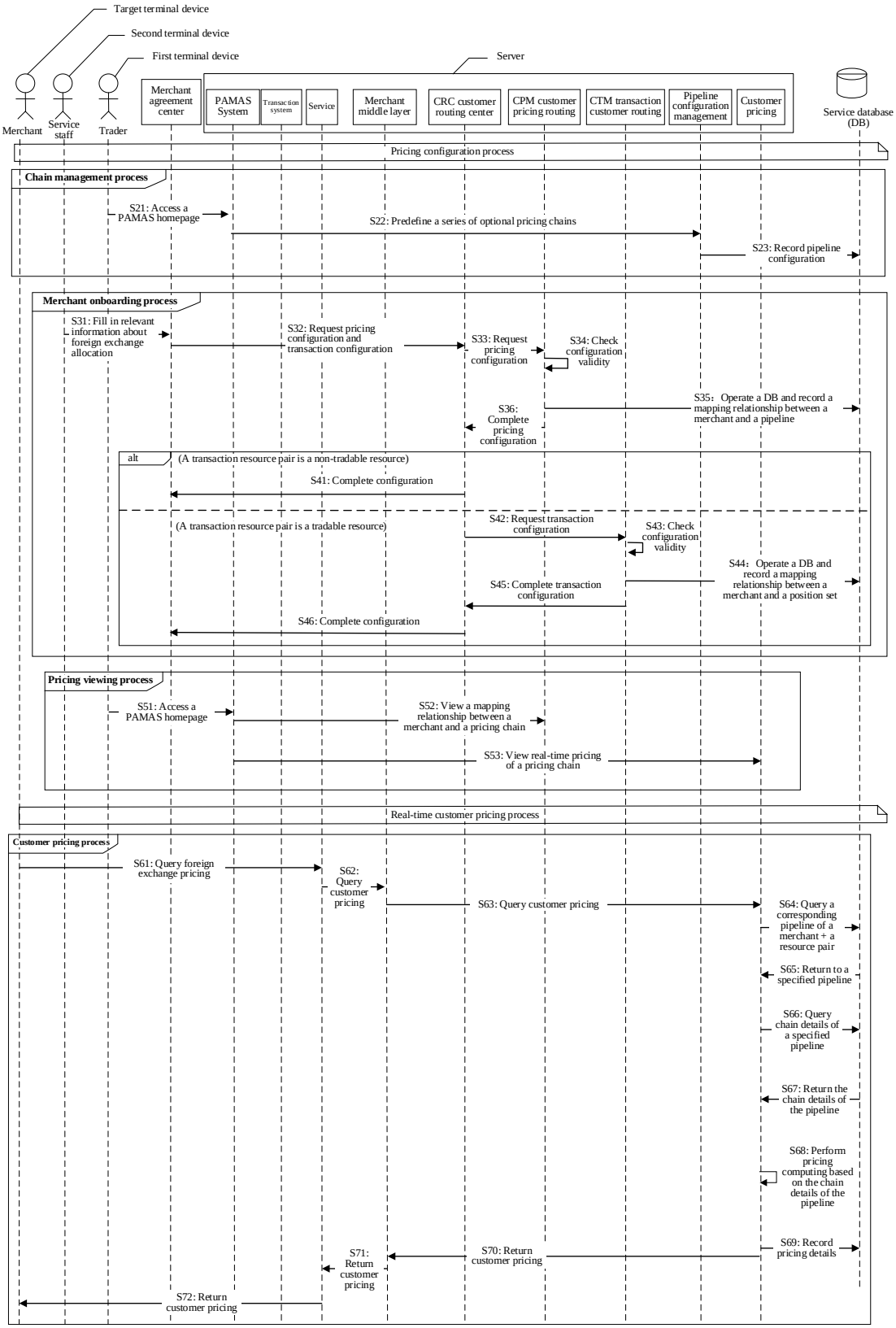

Target terminal device
Second terminal device
First terminal device
Server
Merchant
Service staff
Trader
Merchant agreement center
PAMAS System
Transaction system
Service
Merchant middle layer
CRC customer routing center
CPM customer pricing routing
CTM transaction customer routing
Pipeline configuration management
Customer pricing
Service database (DB)
Pricing configuration process
Chain management process
S21: Access a PAMAS homepage
S22: Predefine a series of optional pricing chains
S23: Record pipeline configuration
Merchant onboarding process
S31: Fill in relevant information about foreign exchange allocation
S32: Request pricing configuration and transaction configuration
S33: Request pricing configuration
S34: Check configuration validity
S35：Operate a DB and record a mapping relationship between a merchant and a pipeline
S36: Complete pricing configuration
alt
(A transaction resource pair is a non-tradable resource)
S41: Complete configuration
(A transaction resource pair is a tradable resource)
S42: Request transaction configuration
S43: Check configuration validity
S44：Operate a DB and record a mapping relationship between a merchant and a position set
S45: Complete transaction configuration
S46: Complete configuration
Pricing viewing process
S51: Access a PAMAS homepage
S52: View a mapping relationship between a merchant and a pricing chain
S53: View real-time pricing of a pricing chain
Real-time customer pricing process
Customer pricing process
S61: Query foreign exchange pricing
S62: Query customer pricing
S63: Query customer pricing
S64: Query a corresponding pipeline of a merchant + a resource pair
S65: Return to a specified pipeline
S66: Query chain details of a specified pipeline
S67: Return the chain details of the pipeline
S68: Perform pricing computing based on the chain details of the pipeline
S69: Record pricing details
S70: Return customer pricing
S71: Return customer pricing
S72: Return customer pricing

FIG. 10

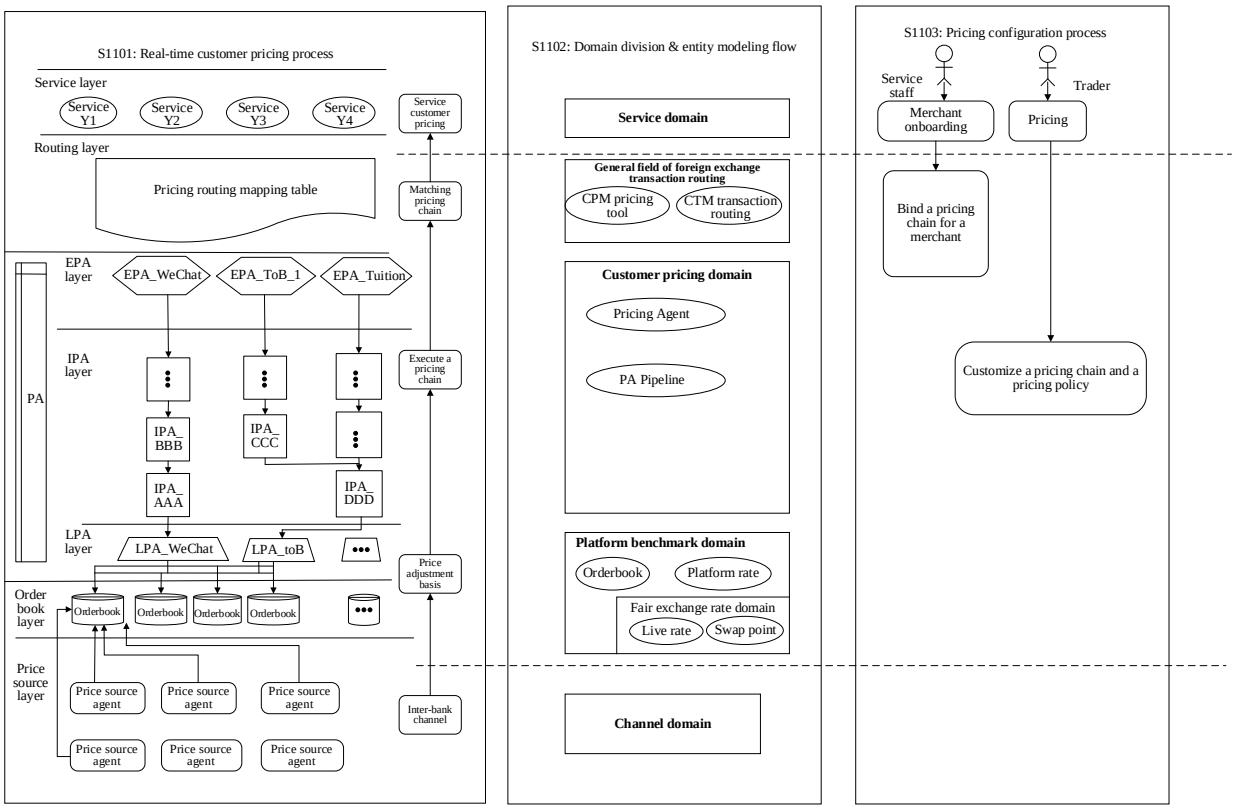

S1101: Real-time customer pricing process
Service layer
Service Y1
Service Y2
Service Y3
Service Y4
Service customer pricing
Routing layer
Pricing routing mapping table
Matching pricing chain
EPA layer
EPA_WeChat
EPA_ToB_1
EPA_Tuition
IPA layer
PA
IPA_ BBB
IPA_ CCC
IPA_ AAA
IPA_ DDD
Execute a pricing chain
LPA layer
LPA_WeChat
LPA_toB
Price adjustment basis
Order book layer
Orderbook
Price source layer
Price source agent
Inter-bank channel
S1102: Domain division & entity modeling flow
Service domain
General field of foreign exchange transaction routing
CPM pricing tool
CTM transaction routing
Customer pricing domain
Pricing Agent
PA Pipeline
Platform benchmark domain
Orderbook
Platform rate
Fair exchange rate domain
Live rate
Swap point
Channel domain
S1103: Pricing configuration process
Service staff
Trader
Merchant onboarding
Pricing
Bind a pricing chain for a merchant
Customize a pricing chain and a pricing policy

FIG. 11

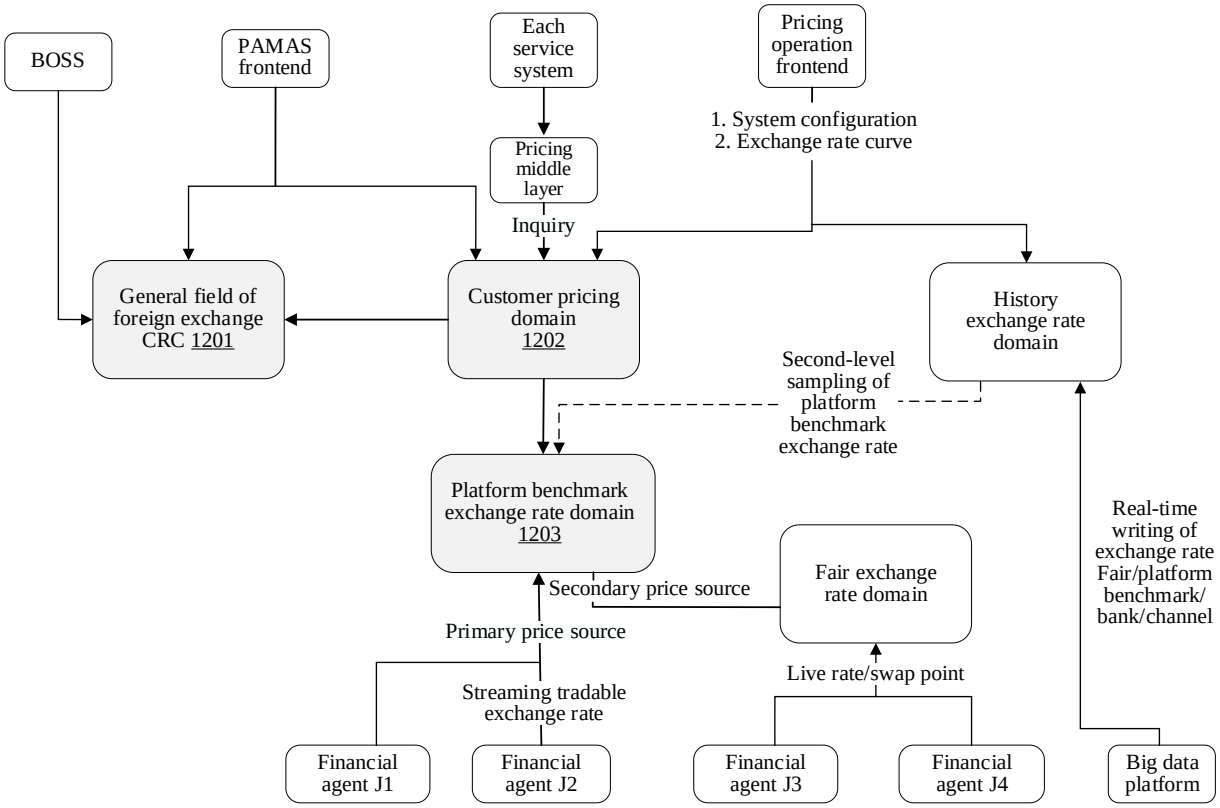

BOSS
PAMAS frontend
Each service system
Pricing operation frontend
1. System configuration
2. Exchange rate curve
Pricing middle layer
Inquiry
General field of foreign exchange CRC 1201
Customer pricing domain 1202
History exchange rate domain
Second-level sampling of platform benchmark exchange rate
Platform benchmark exchange rate domain 1203
Fair exchange rate domain
Real-time writing of exchange rate Fair/platform benchmark/ bank/channel
Secondary price source
Primary price source
Live rate/swap point
Streaming tradable exchange rate
Financial agent J1
Financial agent J2
Financial agent J3
Financial agent J4
Big data platform

FIG. 12

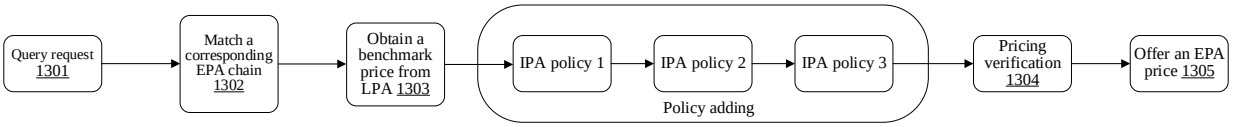

Query request 1301
Match a corresponding EPA chain 1302
Obtain a benchmark price from LPA 1303
IPA policy 1
IPA policy 2
IPA policy 3
Policy adding
Pricing verification 1304
Offer an EPA price 1305

FIG. 13

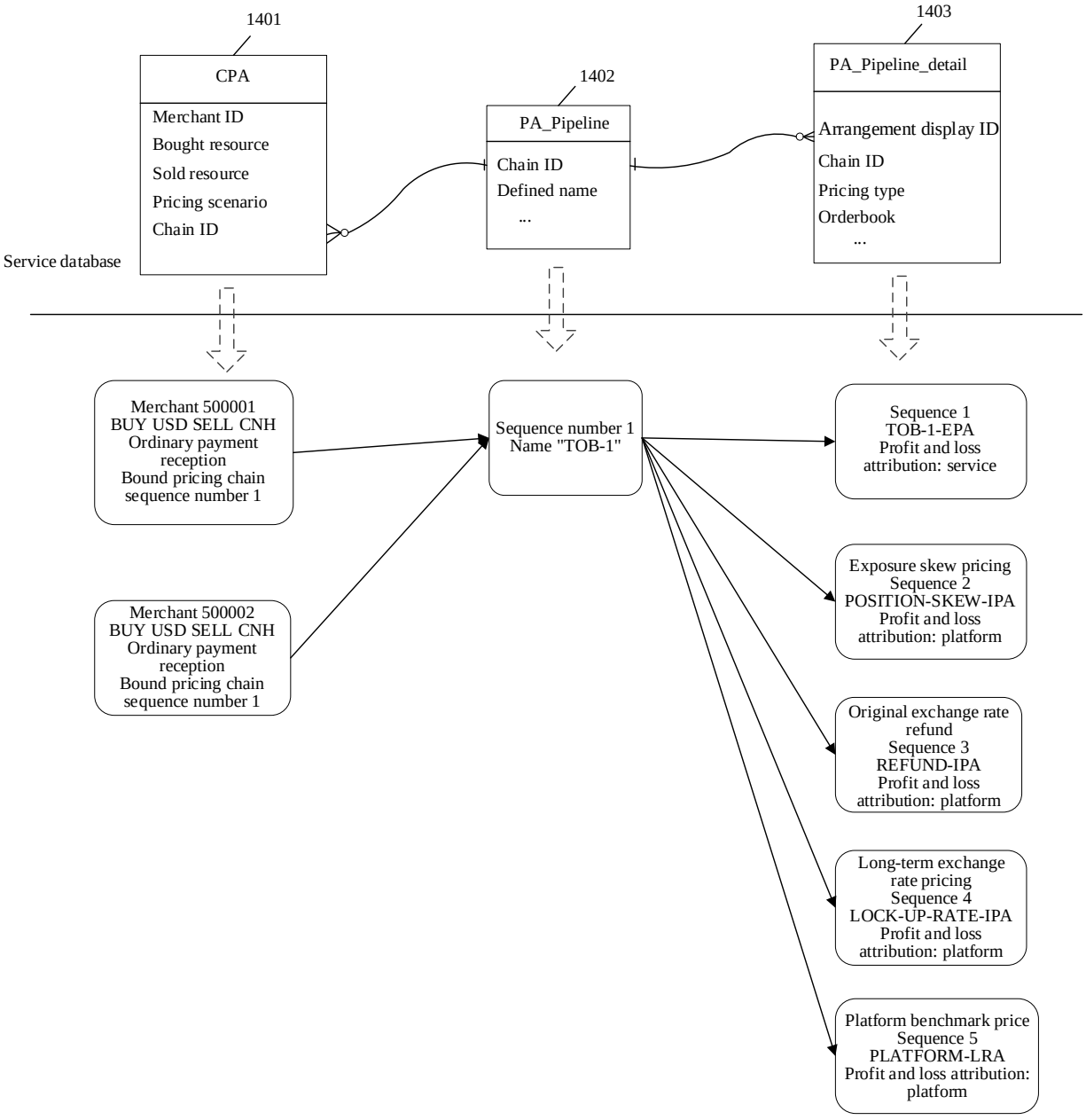

1401
CPA
Merchant ID
Bought resource
Sold resource
Pricing scenario
Chain ID
1402
PA_Pipeline
Chain ID
Defined name
...
1403
PA_Pipeline_detail
Arrangement display ID
Chain ID
Pricing type
Orderbook
...
Service database
Merchant 500001 BUY USD SELL CNH Ordinary payment reception Bound pricing chain sequence number 1
Merchant 500002 BUY USD SELL CNH Ordinary payment reception Bound pricing chain sequence number 1
Sequence number 1 Name "TOB-1"
Sequence 1 TOB-1-EPA Profit and loss attribution: service
Exposure skew pricing Sequence 2 POSITION-SKEW-IPA Profit and loss attribution: platform
Original exchange rate refund Sequence 3 REFUND-IPA Profit and loss attribution: platform
Long-term exchange rate pricing Sequence 4 LOCK-UP-RATE-IPA Profit and loss attribution: platform
Platform benchmark price Sequence 5 PLATFORM-LRA Profit and loss attribution: platform

FIG. 14

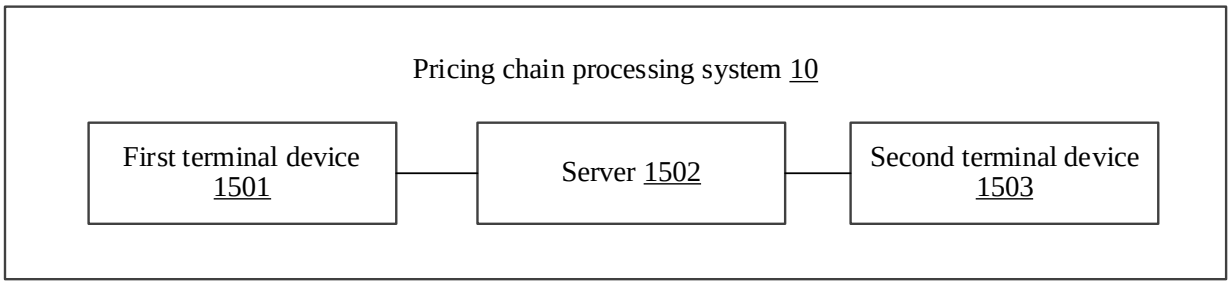

Pricing chain processing system 10
First terminal device 1501
Server 1502
Second terminal device 1503

FIG. 15

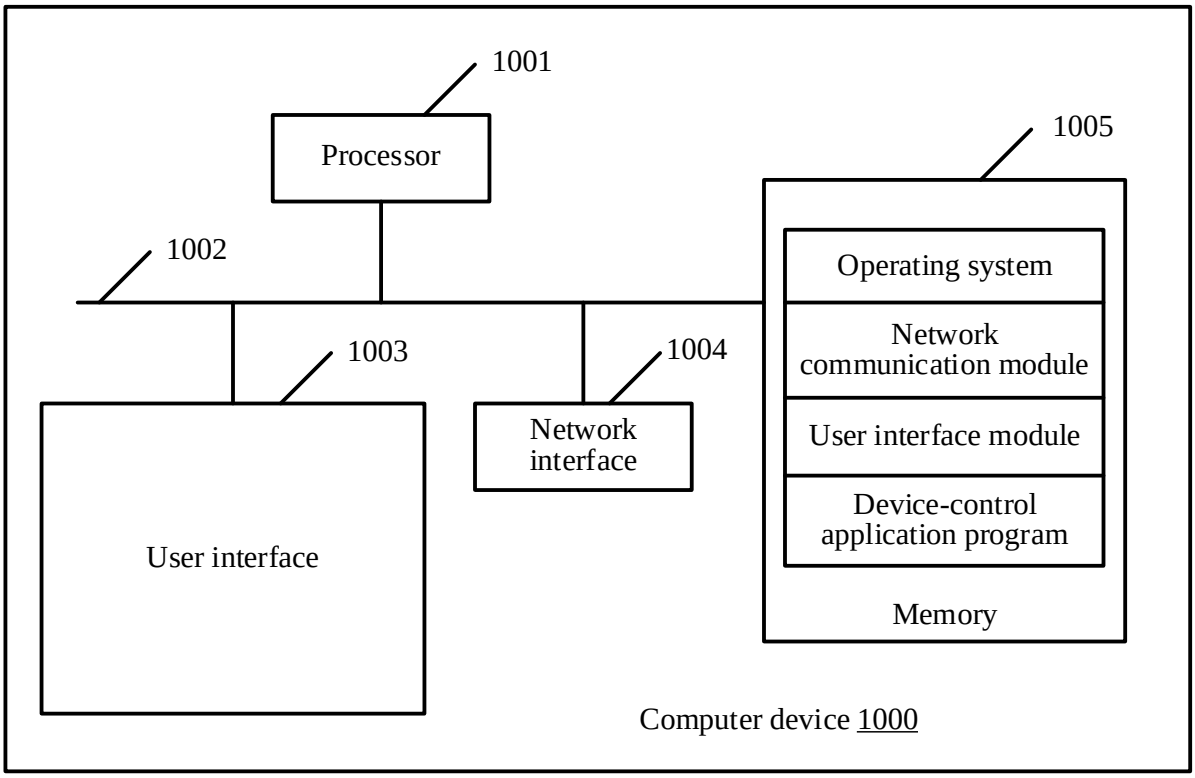

1001
Processor
1005
1002
Operating system
Network communication module
User interface module
Device-control application program
Memory
1003
1004
Network interface
User interface
Computer device 1000

FIG. 16