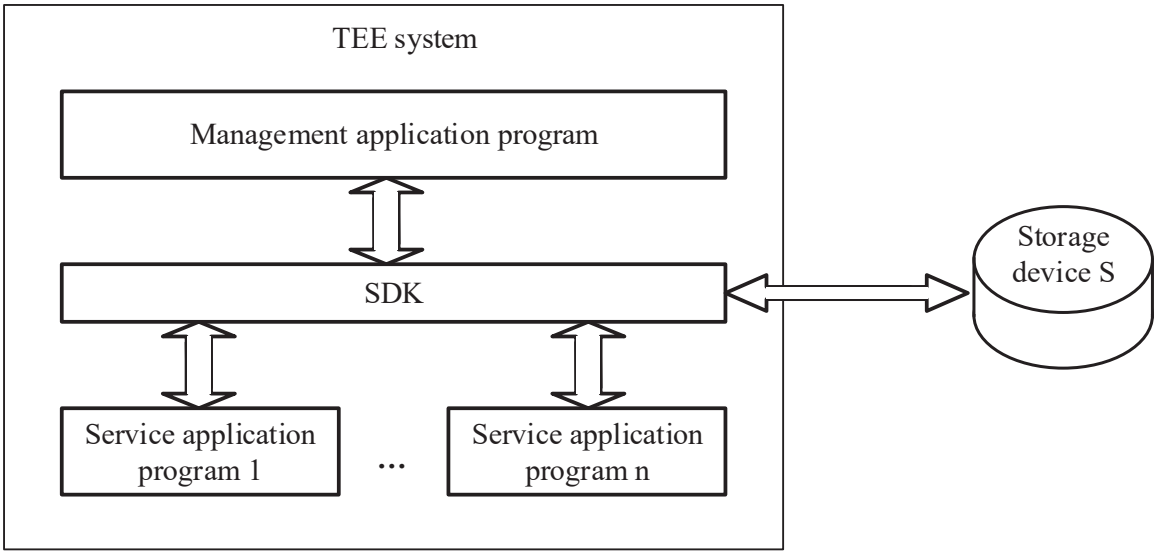

TEE system
Management application program
SDK
Storage device S
Service application program 1
...
Service application program n

FIG. 1

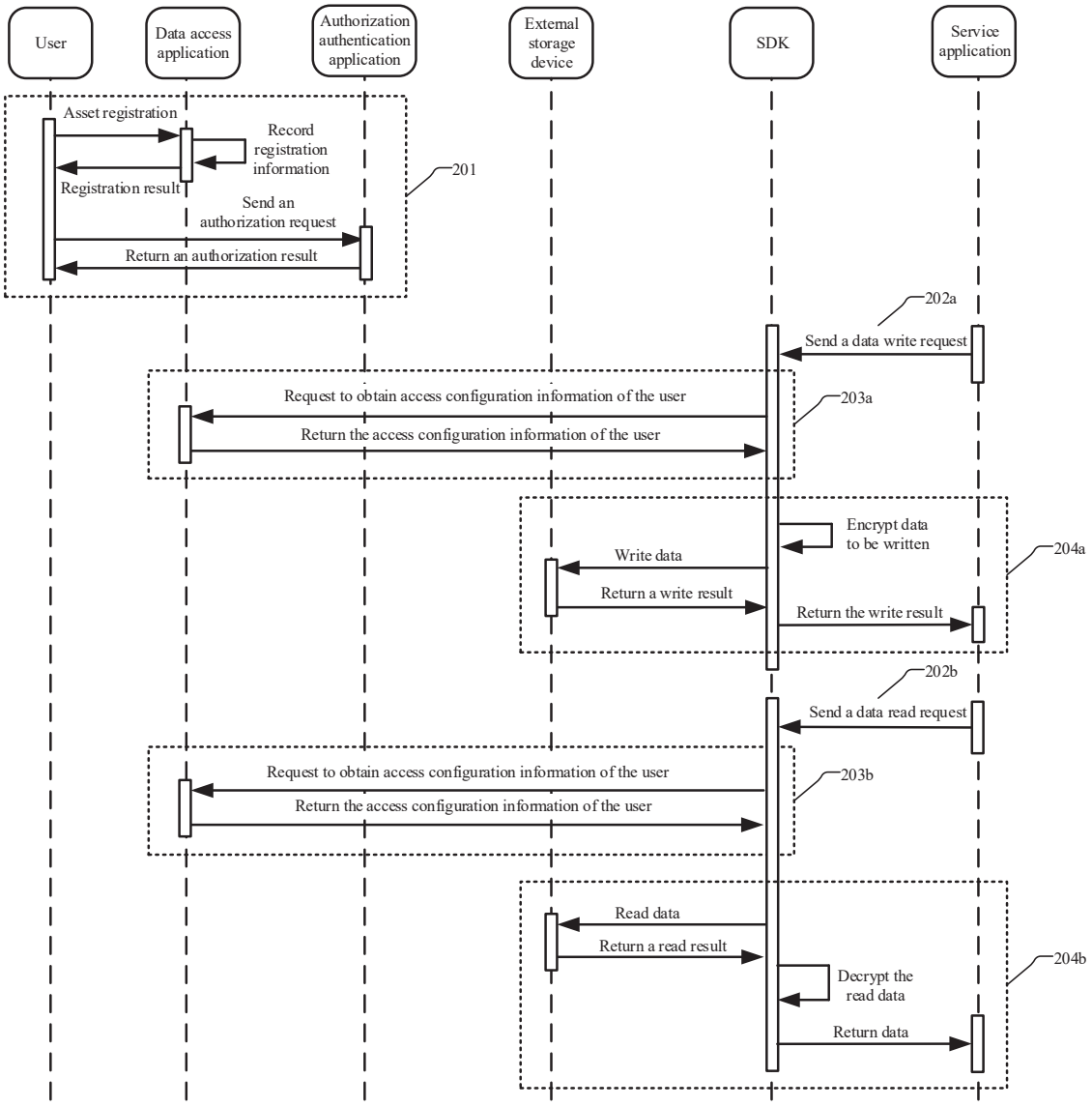

User
Data access application
Authorization authentication application
External storage device
SDK
Service application
Asset registration
Record registration information
Registration result
Send an authorization request
Return an authorization result
201
202a
Send a data write request
Request to obtain access configuration information of the user
Return the access configuration information of the user
203a
Encrypt data to be written
Write data
Return a write result
Return the write result
204a
202b
Send a data read request
Request to obtain access configuration information of the user
Return the access configuration information of the user
203b
Read data
Return a read result
Decrypt the read data
Return data
204b

FIG. 2

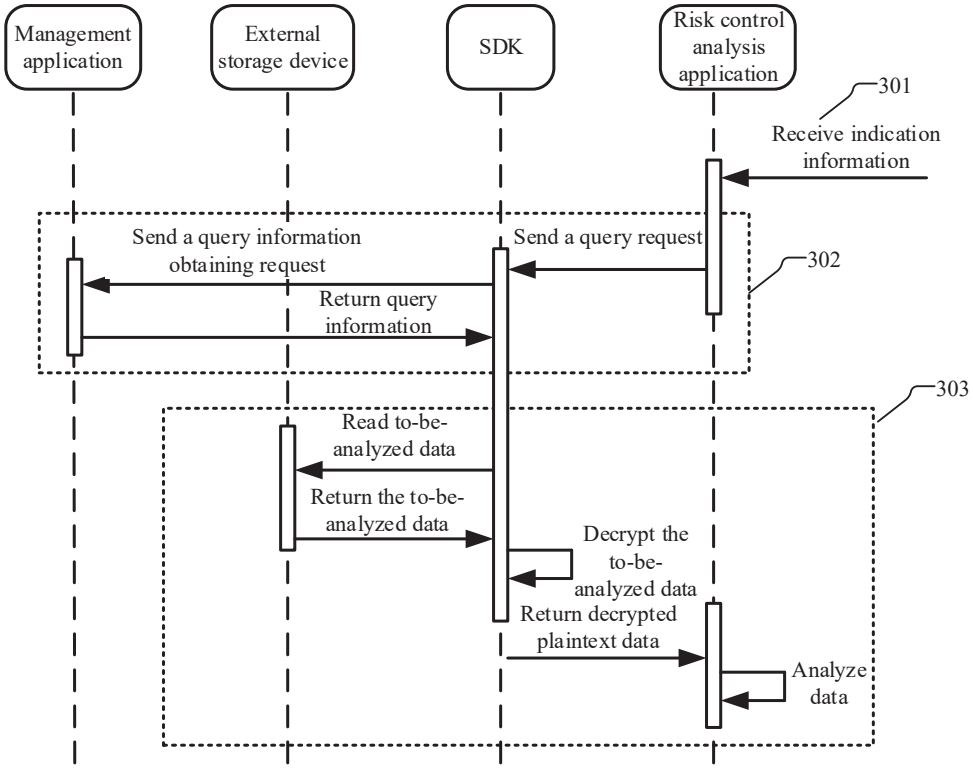

Management application
External storage device
SDK
Risk control analysis application
301
Receive indication information
Send a query information obtaining request
Send a query request
302
Return query information
303
Read to-be-analyzed data
Return the to-be-analyzed data
Decrypt the to-be-analyzed data
Return decrypted plaintext data
Analyze data

FIG. 3

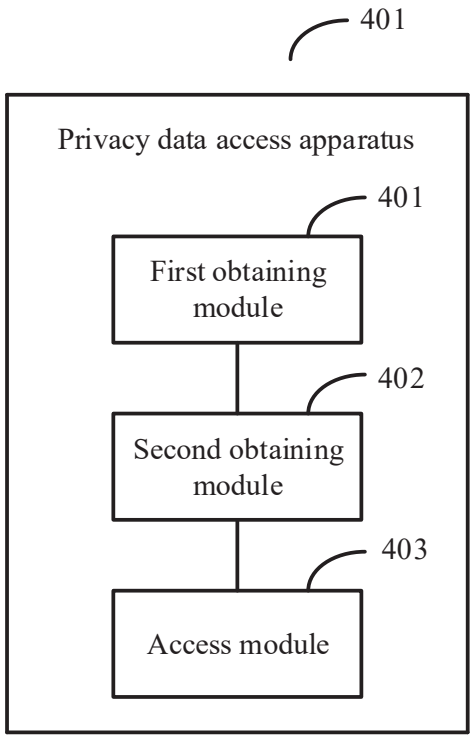

401
Privacy data access apparatus
401
First obtaining module
402
Second obtaining module
403
Access module

FIG. 4

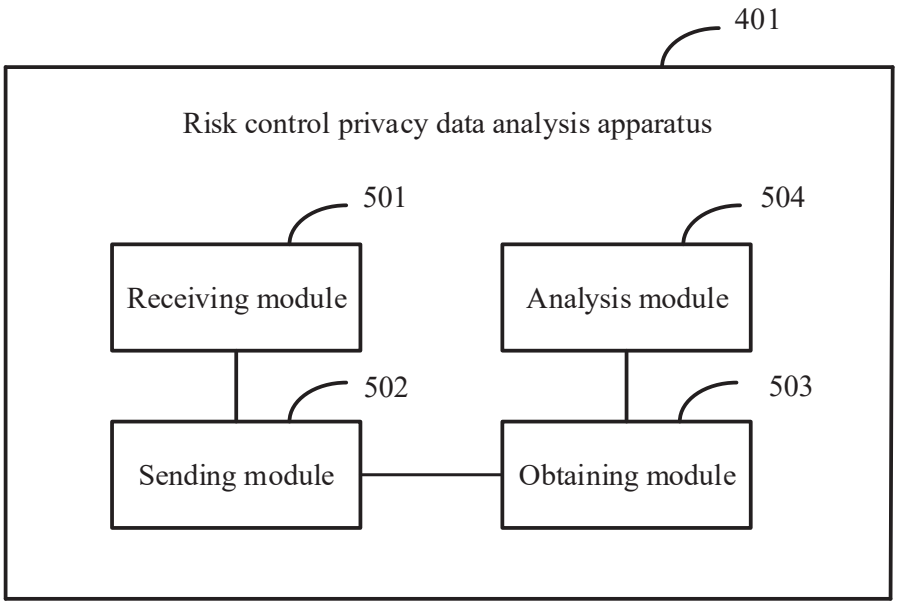

401
Risk control privacy data analysis apparatus
501
Receiving module
504
Analysis module
502
Sending module
503
Obtaining module

FIG. 5

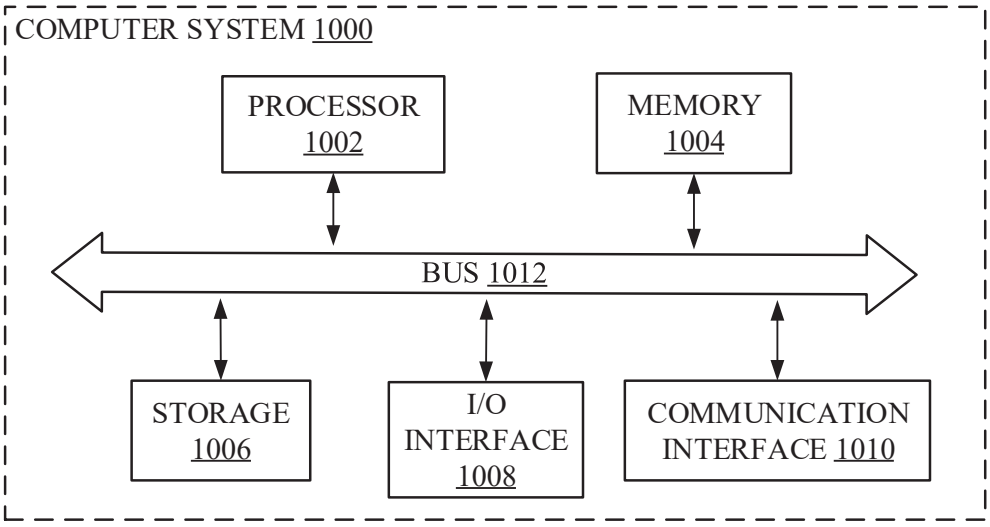

COMPUTER SYSTEM 1000
PROCESSOR 1002
MEMORY 1004
BUS 1012
STORAGE 1006
I/O INTERFACE 1008
COMMUNICATION INTERFACE 1010

FIG. 6