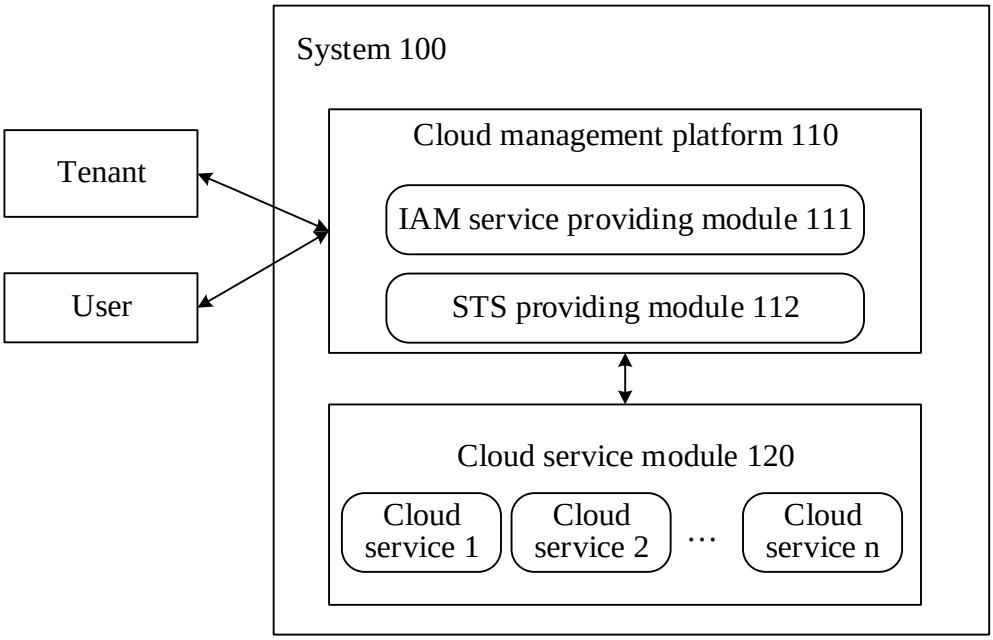

System 100
Cloud management platform 110
Tenant
IAM service providing module 111
User
STS providing module 112
Cloud service module 120
Cloud service 1
Cloud service 2
…
Cloud service n

FIG. 1

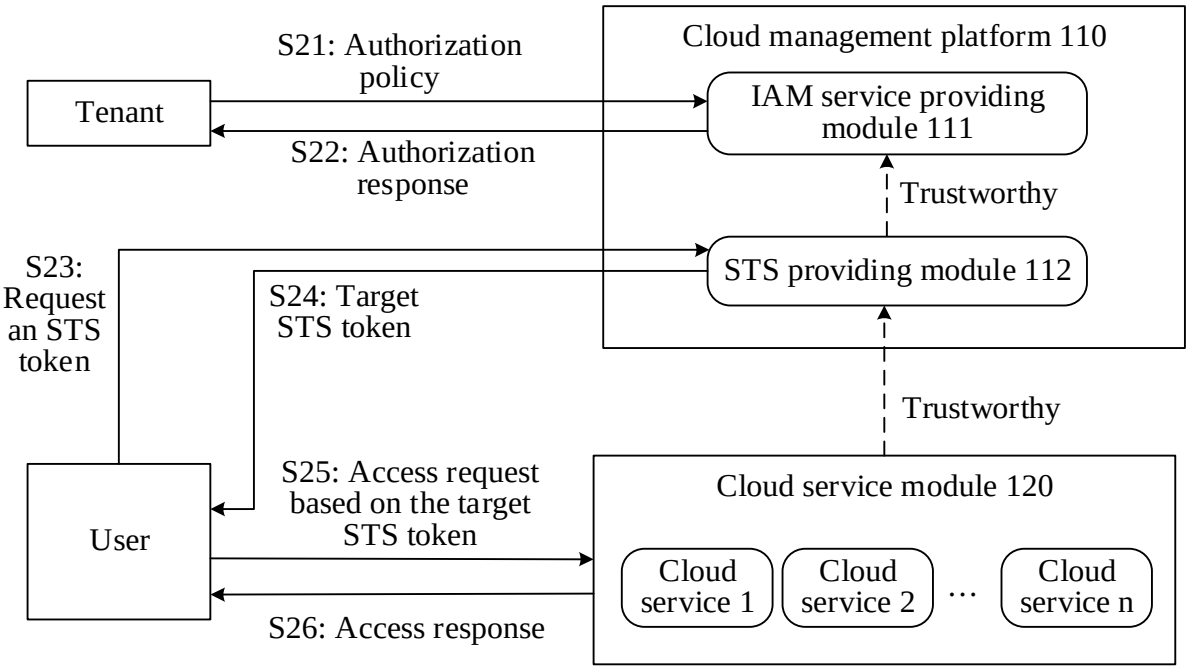

Cloud management platform 110
S21: Authorization policy
Tenant
IAM service providing module 111
S22: Authorization response
Trustworthy
S23: Request an STS token
STS providing module 112
S24: Target STS token
Trustworthy
S25: Access request based on the target STS token
Cloud service module 120
User
Cloud service 1
Cloud service 2
…
Cloud service n
S26: Access response

FIG. 2

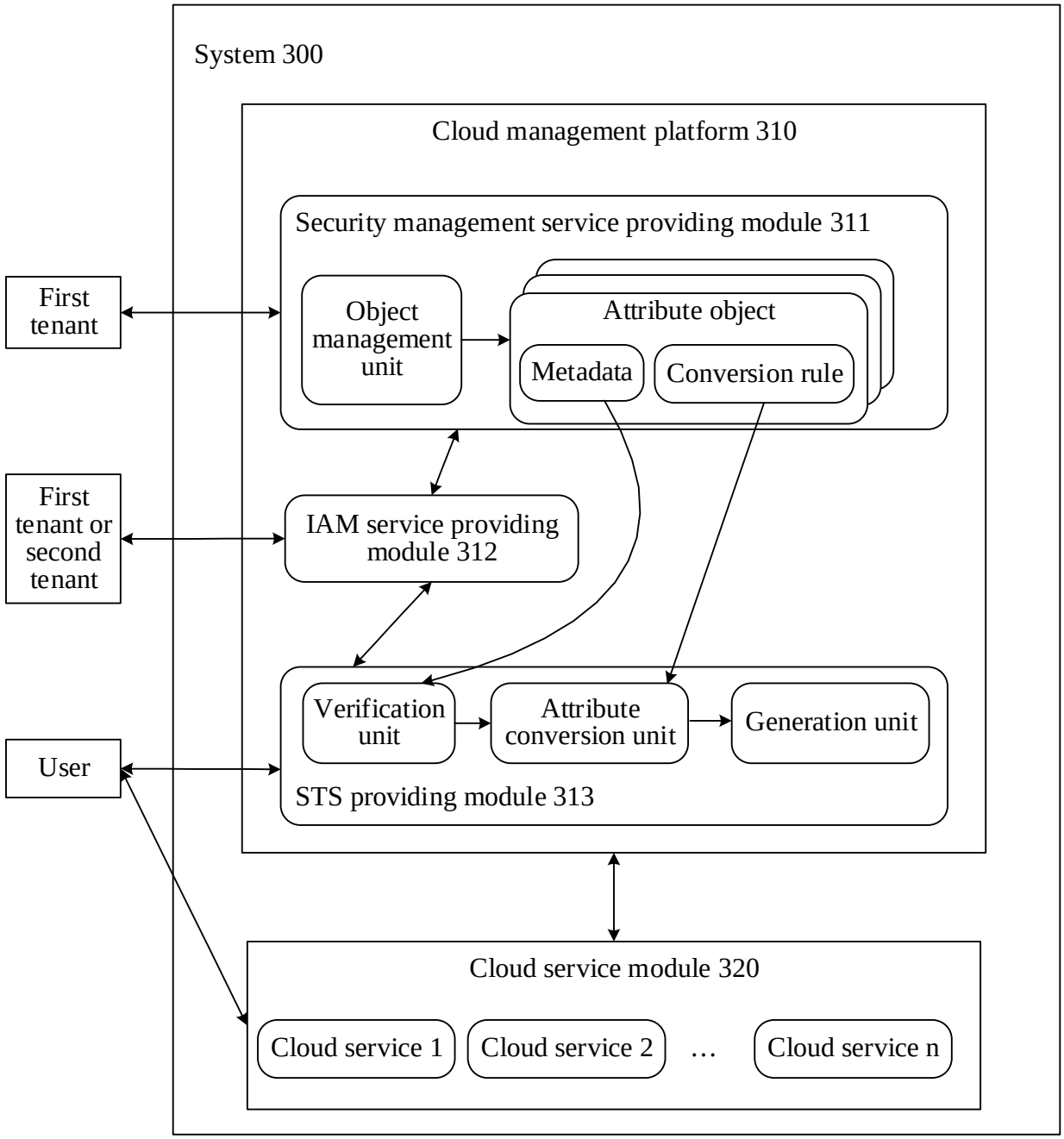

System 300
Cloud management platform 310
Security management service providing module 311
Object management unit
Attribute object
Metadata
Conversion rule
First tenant
First tenant or second tenant
IAM service providing module 312
User
Verification unit
Attribute conversion unit
Generation unit
STS providing module 313
Cloud service module 320
Cloud service 1
Cloud service 2
…
Cloud service n

FIG. 3

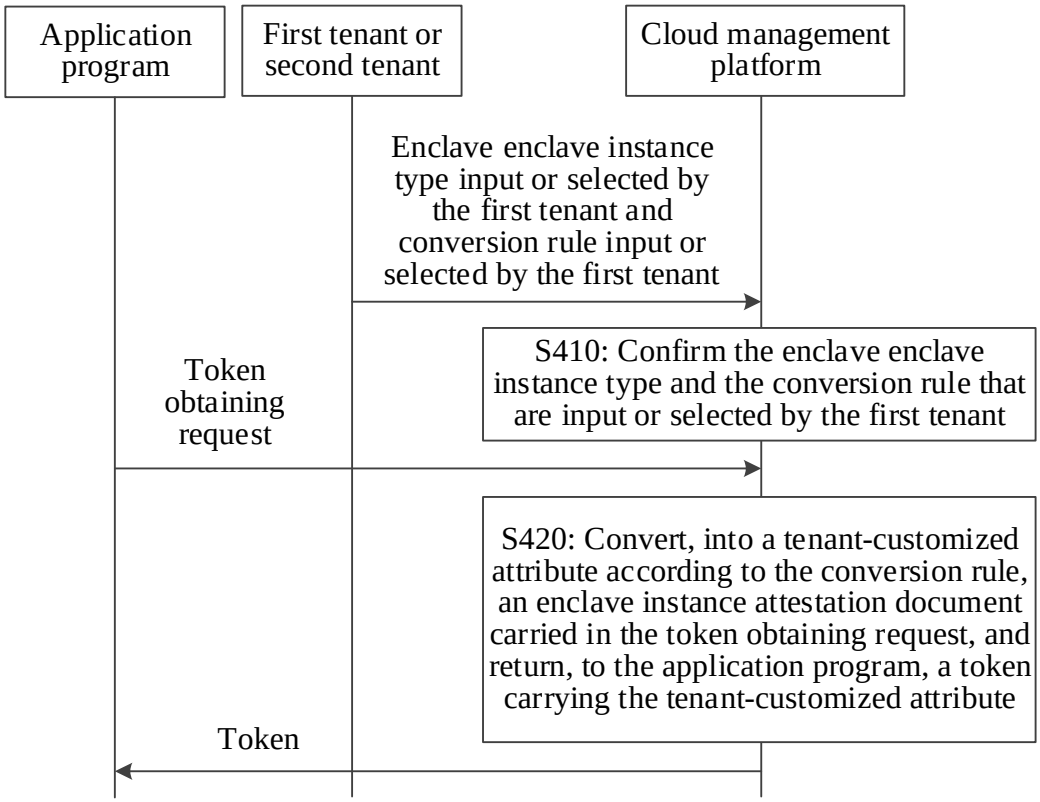

Application program
First tenant or second tenant
Cloud management platform
Enclave enclave instance type input or selected by the first tenant and conversion rule input or selected by the first tenant
S410: Confirm the enclave enclave instance type and the conversion rule that are input or selected by the first tenant
Token obtaining request
S420: Convert, into a tenant-customized attribute according to the conversion rule, an enclave instance attestation document carried in the token obtaining request, and return, to the application program, a token carrying the tenant-customized attribute
Token

FIG. 4

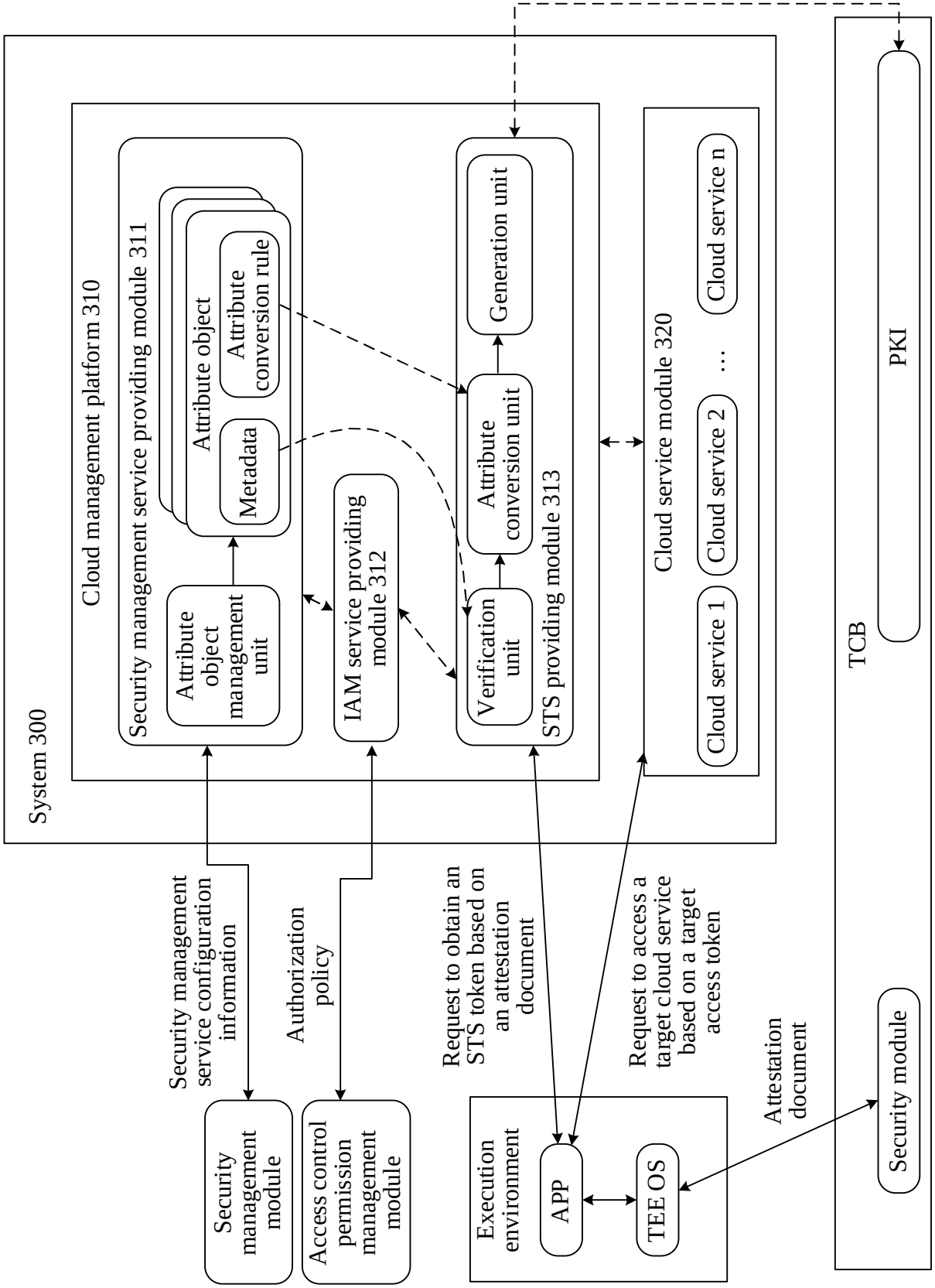

System 300
Cloud management platform 310
Security management service providing module 311
Attribute object management unit
Attribute object
Metadata
Attribute conversion rule
IAM service providing module 312
STS providing module 313
Verification unit
Attribute conversion unit
Generation unit
Cloud service module 320
Cloud service 1
Cloud service 2
...
Cloud service n
TCB
PKI
Security module
Security management service configuration information
Authorization policy
Request to obtain an STS token based on an attestation document
Request to access a target cloud service based on a target access token
Attestation document
Security management module
Access control permission management module
Execution environment
APP
TEE OS

FIG. 5

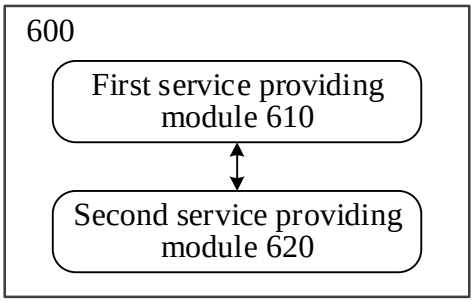

600
First service providing module 610
Second service providing module 620

FIG. 6

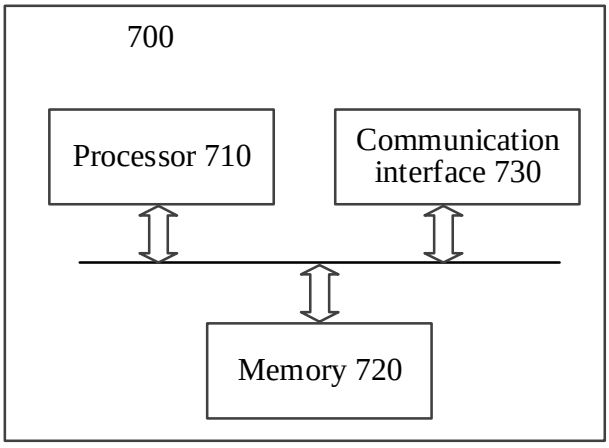

700
Processor 710
Communication interface 730
Memory 720

FIG. 7