DRAWINGS

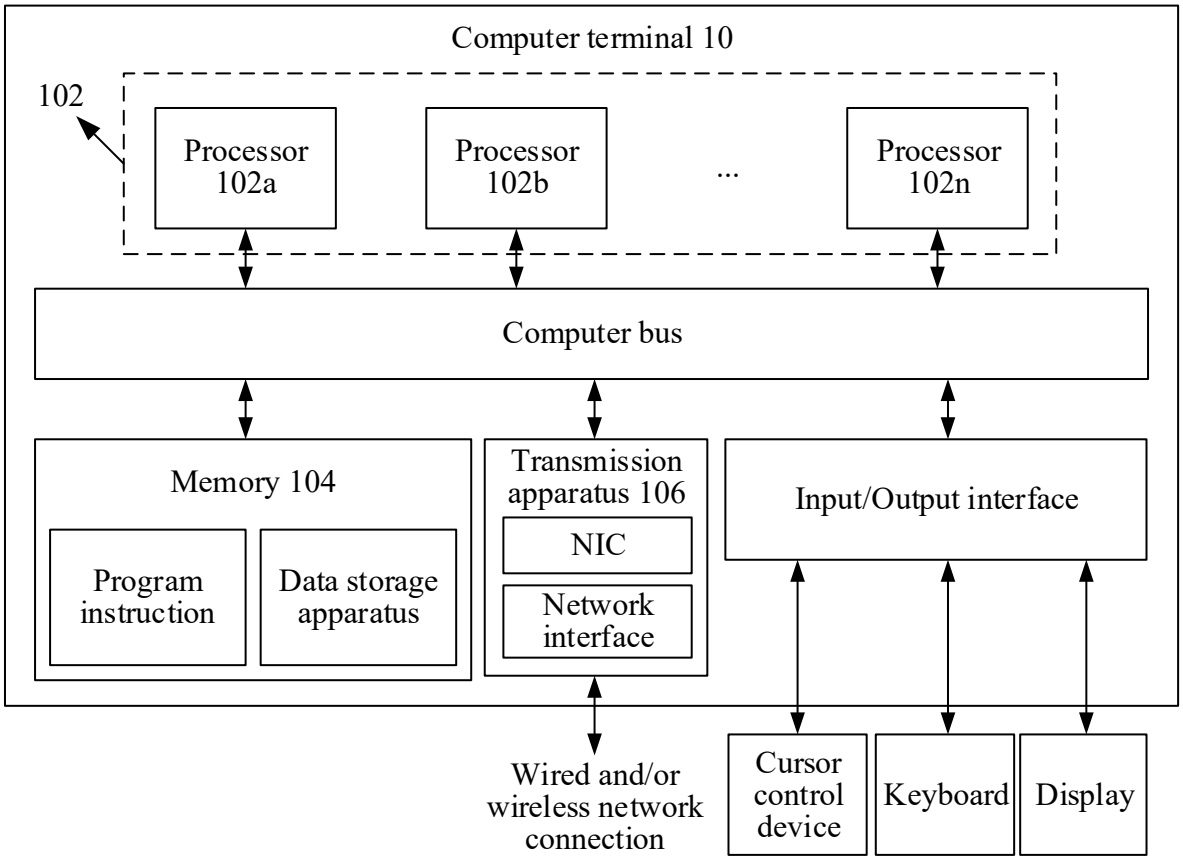


FIG. 1

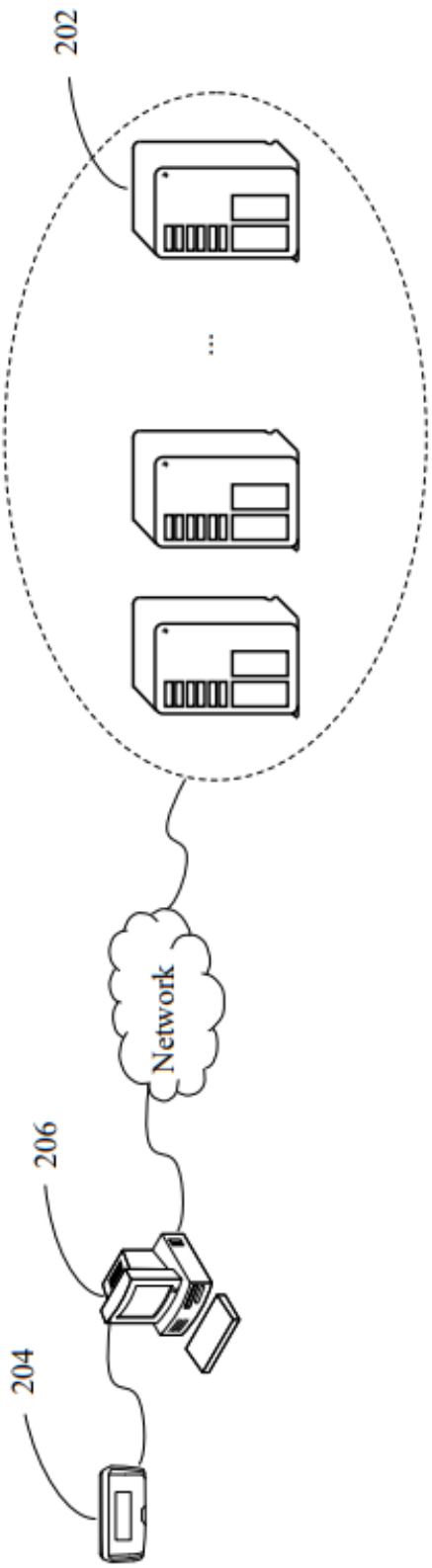


FIG. 2

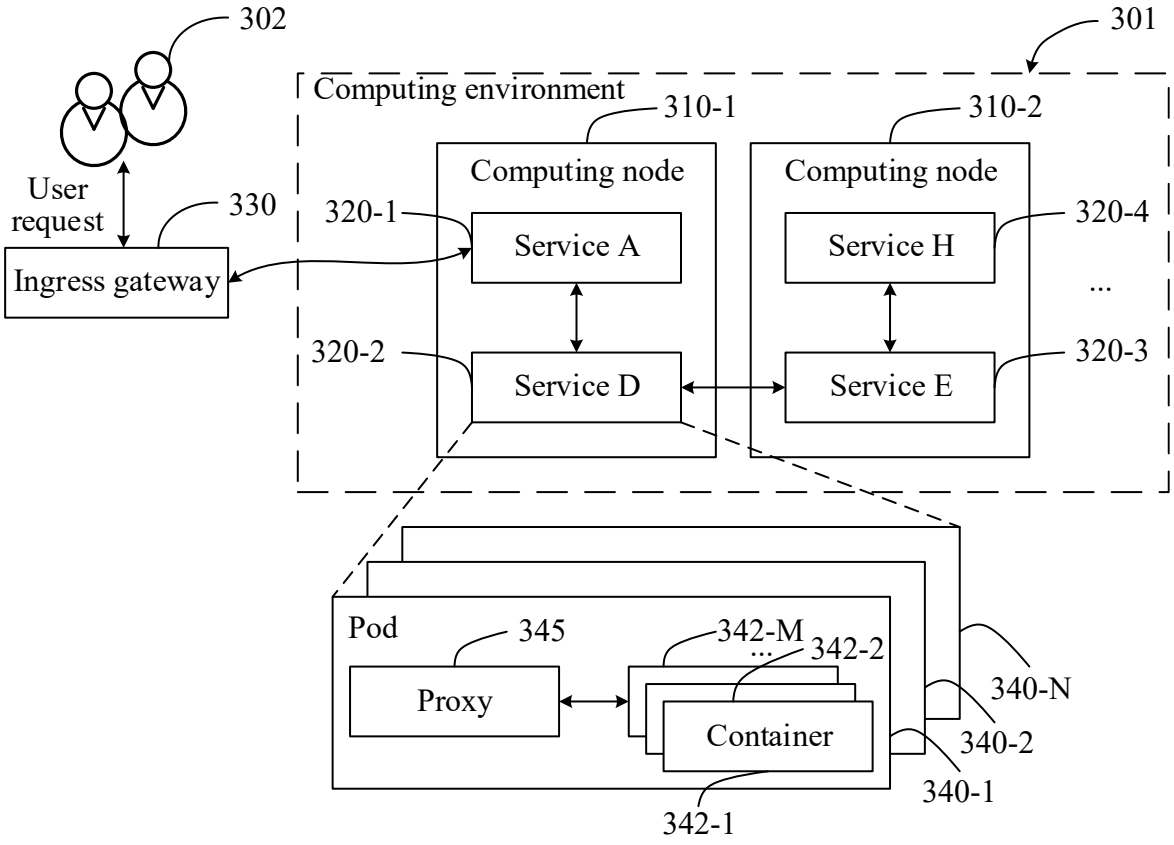

302
301
Computing environment
310-1
310-2
Computing node
Computing node
User request
330
320-1
Service A
Service H
320-4
...
Ingress gateway
320-2
Service D
Service E
320-3
Pod
345
342-M
342-2
Proxy
Container
340-N
340-2
340-1
342-1

FIG. 3

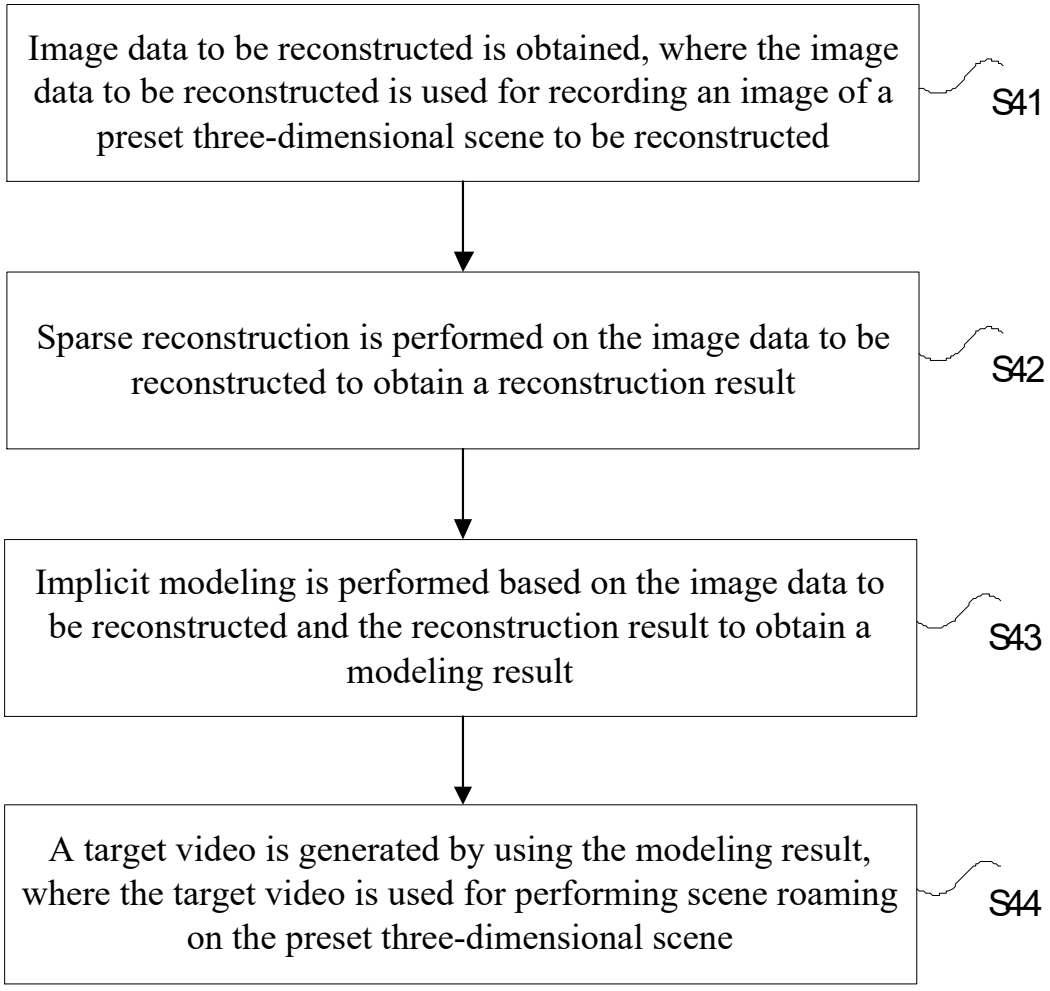

Image data to be reconstructed is obtained, where the image data to be reconstructed is used for recording an image of a preset three-dimensional scene to be reconstructed
S41
Sparse reconstruction is performed on the image data to be reconstructed to obtain a reconstruction result
S42
Implicit modeling is performed based on the image data to be reconstructed and the reconstruction result to obtain a modeling result
S43
A target video is generated by using the modeling result, where the target video is used for performing scene roaming on the preset three-dimensional scene
S44

FIG. 4

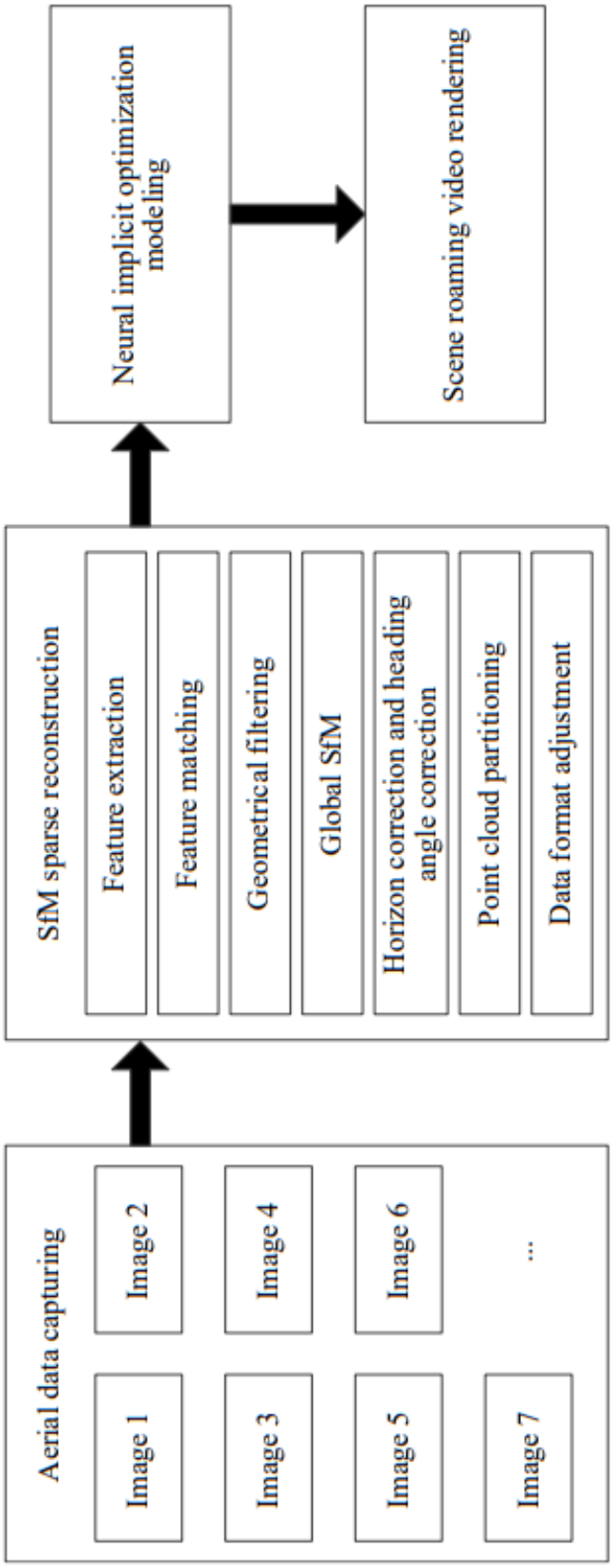

Aerial data capturing
Image 1
Image 2
Image 3
Image 4
Image 5
Image 6
Image 7
...
SfM sparse reconstruction
Feature extraction
Feature matching
Geometrical filtering
Global SfM
Horizon correction and heading angle correction
Point cloud partitioning
Data format adjustment
Neural implicit optimization modeling
Scene roaming video rendering

FIG. 5

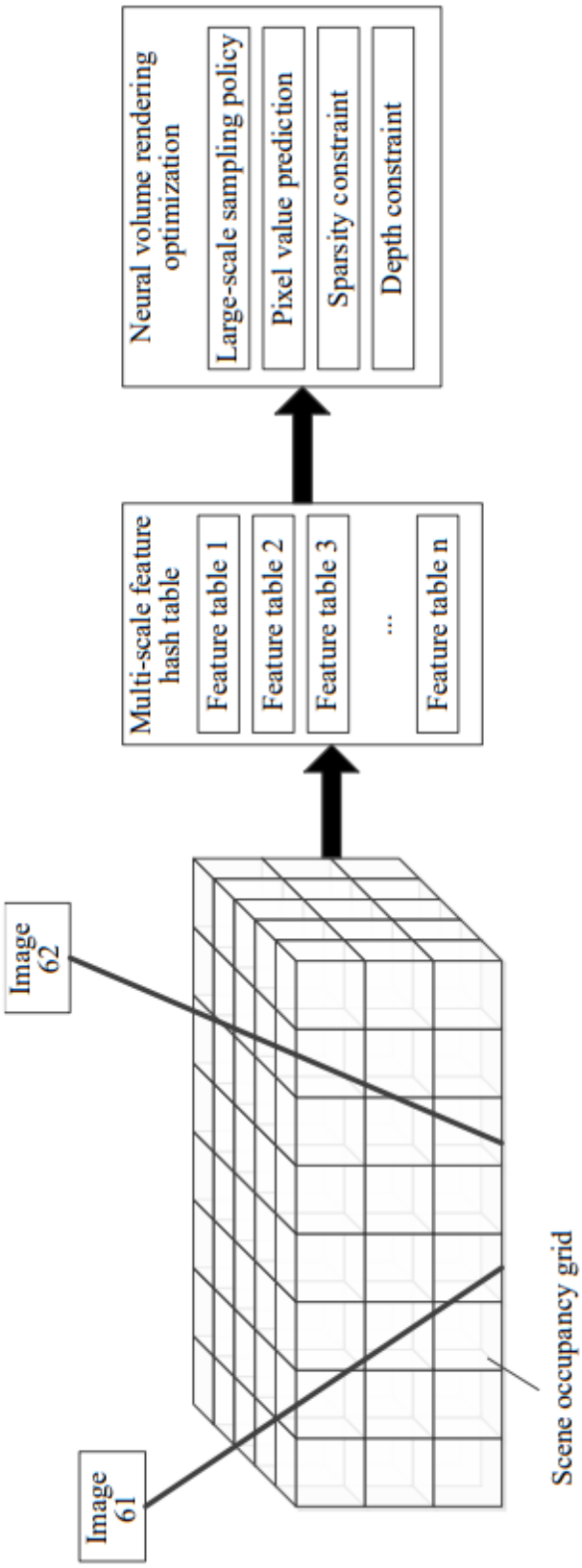

Image 61
Image 62
Scene occupancy grid
Multi-scale feature hash table
Feature table 1
Feature table 2
Feature table 3
...
Feature table n
Neural volume rendering optimization
Large-scale sampling policy
Pixel value prediction
Sparsity constraint
Depth constraint

FIG. 6

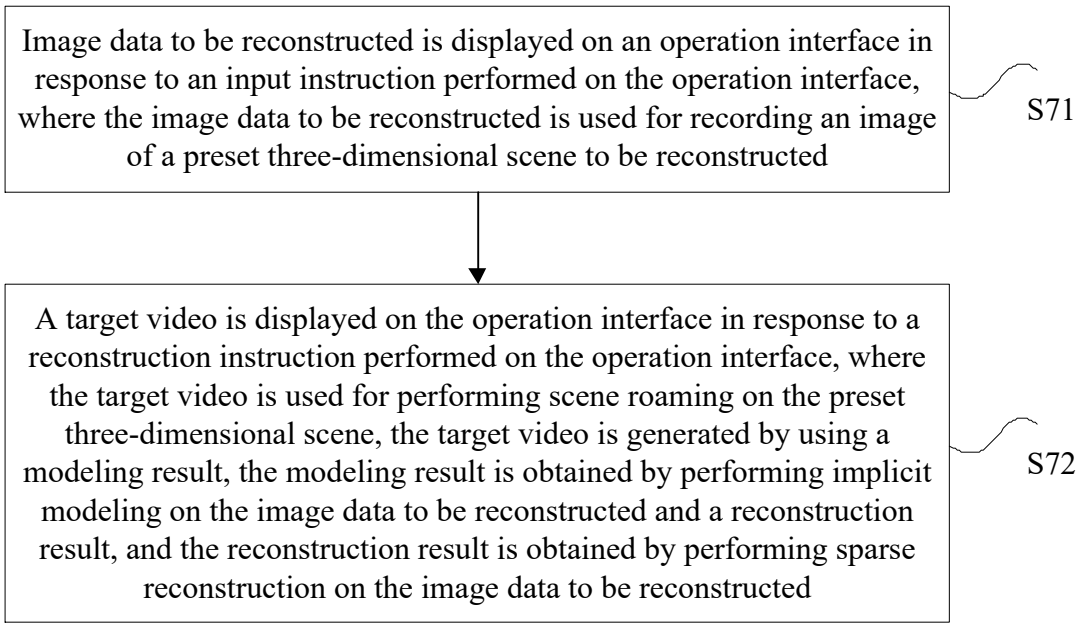

Image data to be reconstructed is displayed on an operation interface in response to an input instruction performed on the operation interface, where the image data to be reconstructed is used for recording an image of a preset three-dimensional scene to be reconstructed
S71
A target video is displayed on the operation interface in response to a reconstruction instruction performed on the operation interface, where the target video is used for performing scene roaming on the preset three-dimensional scene, the target video is generated by using a modeling result, the modeling result is obtained by performing implicit modeling on the image data to be reconstructed and a reconstruction result, and the reconstruction result is obtained by performing sparse reconstruction on the image data to be reconstructed
S72

FIG. 7

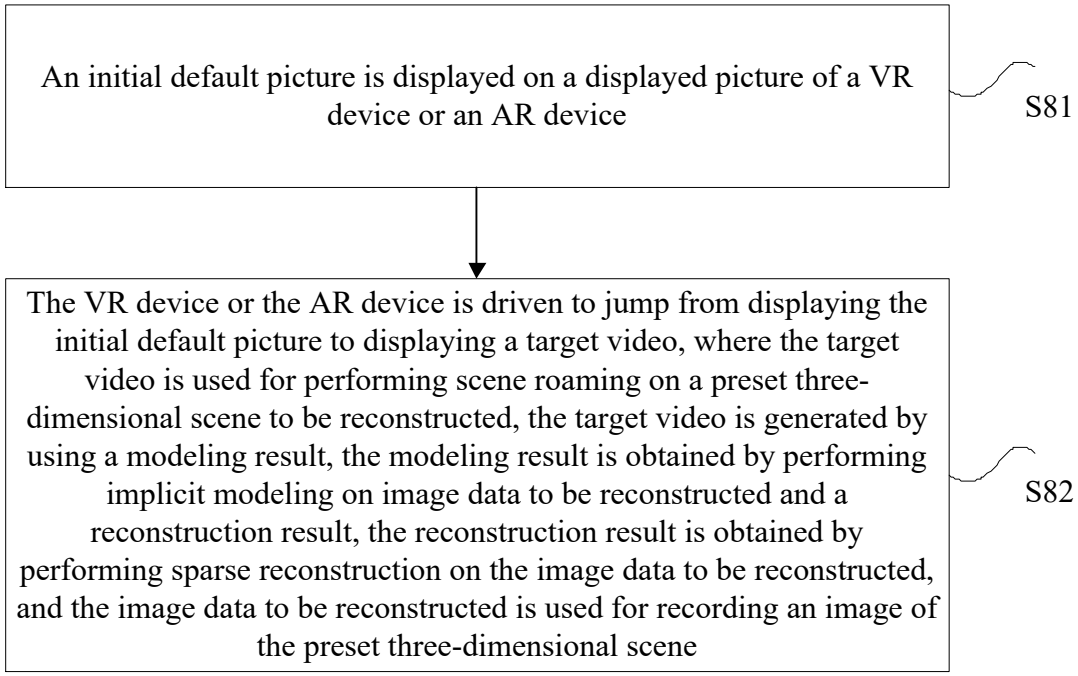

An initial default picture is displayed on a displayed picture of a VR device or an AR device
S81
The VR device or the AR device is driven to jump from displaying the initial default picture to displaying a target video, where the target video is used for performing scene roaming on a preset three-dimensional scene to be reconstructed, the target video is generated by using a modeling result, the modeling result is obtained by performing implicit modeling on image data to be reconstructed and a reconstruction result, the reconstruction result is obtained by performing sparse reconstruction on the image data to be reconstructed, and the image data to be reconstructed is used for recording an image of the preset three-dimensional scene
S82

FIG. 8

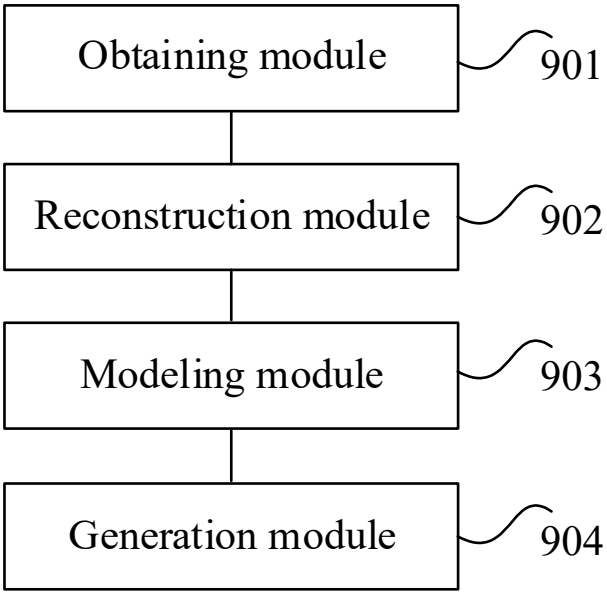

Obtaining module
901
Reconstruction module
902
Modeling module
903
Generation module
904

FIG. 9

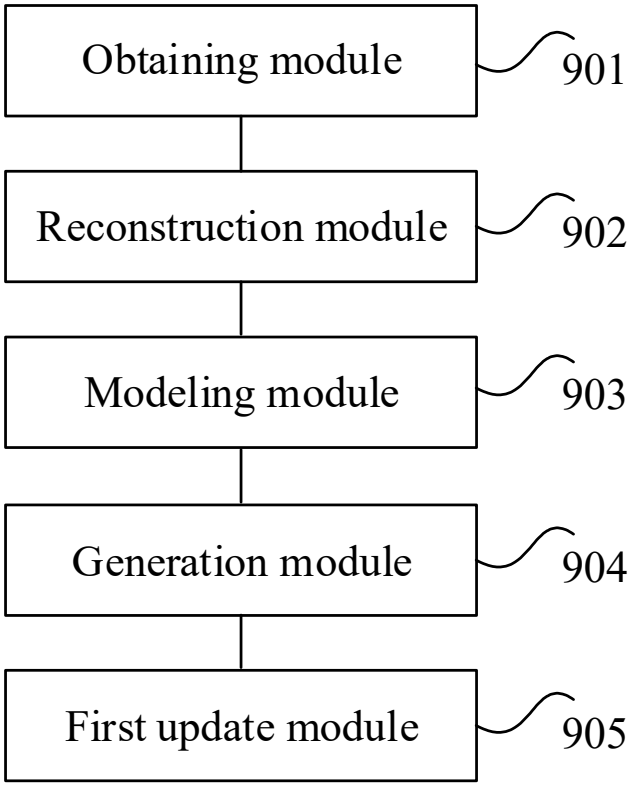

Obtaining module
901
Reconstruction module
902
Modeling module
903
Generation module
904
First update module
905

FIG. 10

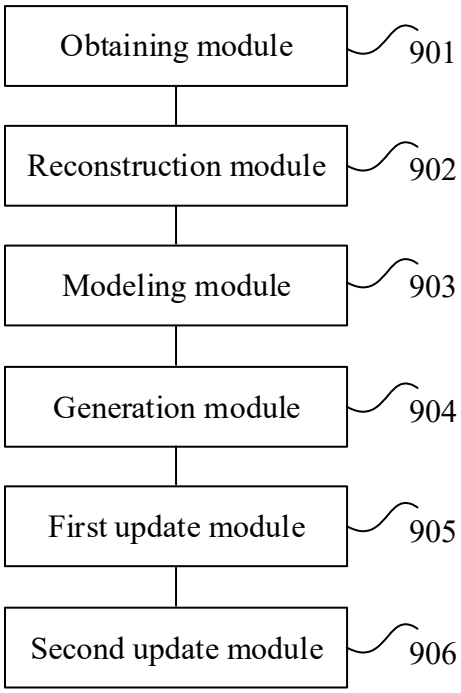

Obtaining module
901
Reconstruction module
902
Modeling module
903
Generation module
904
First update module
905
Second update module
906

FIG. 11

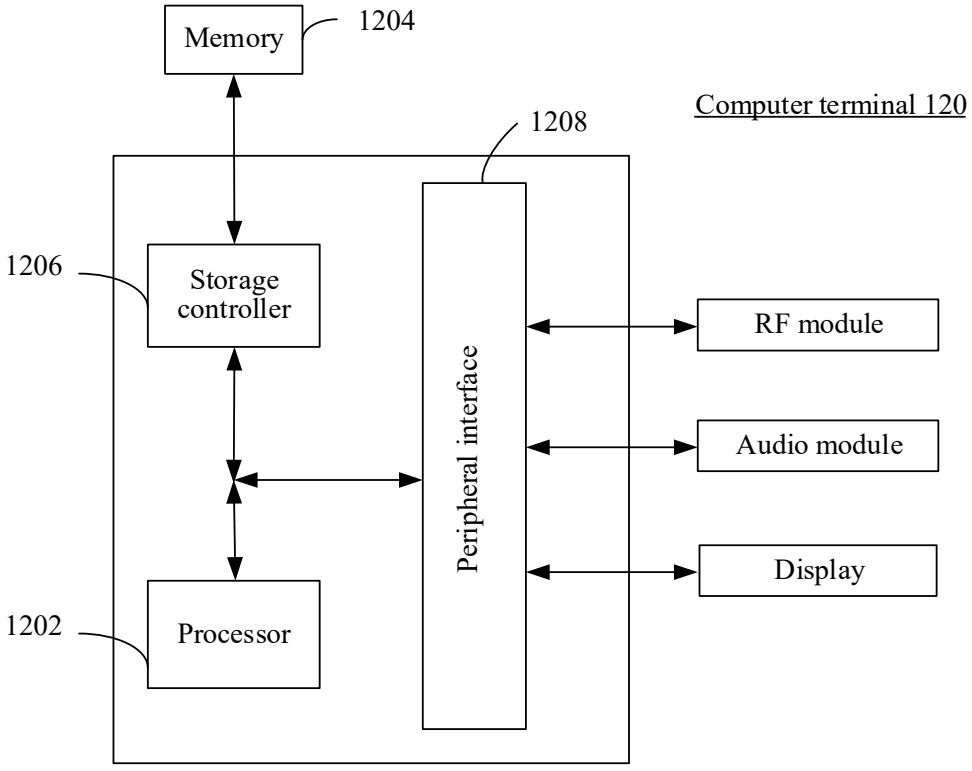

Memory
1204
Computer terminal 120
1208
1206
Storage controller
Peripheral interface
RF module
Audio module
Display
1202
Processor

FIG. 12