

FIG. 1

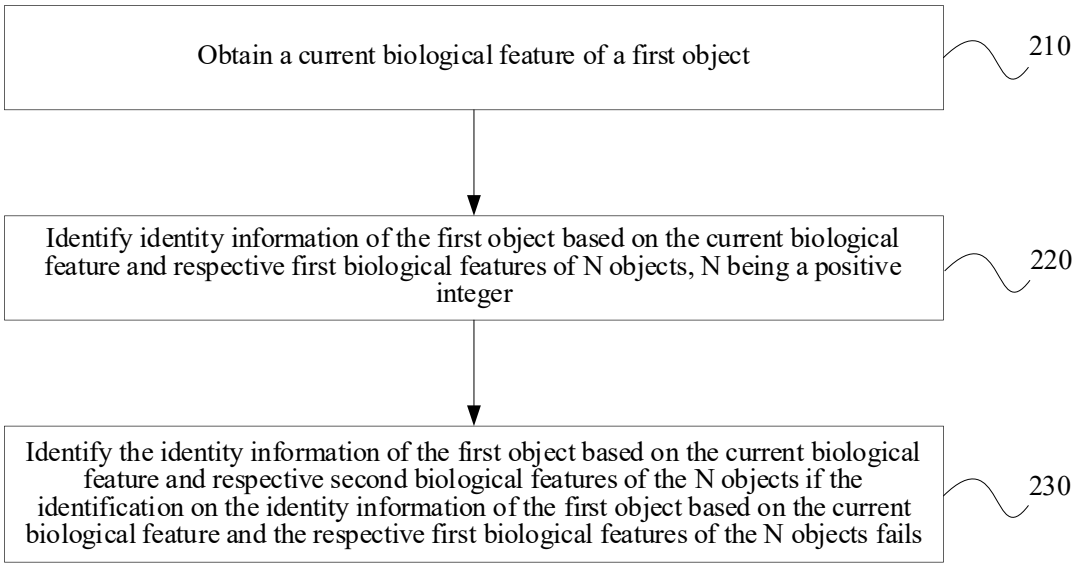


FIG. 2

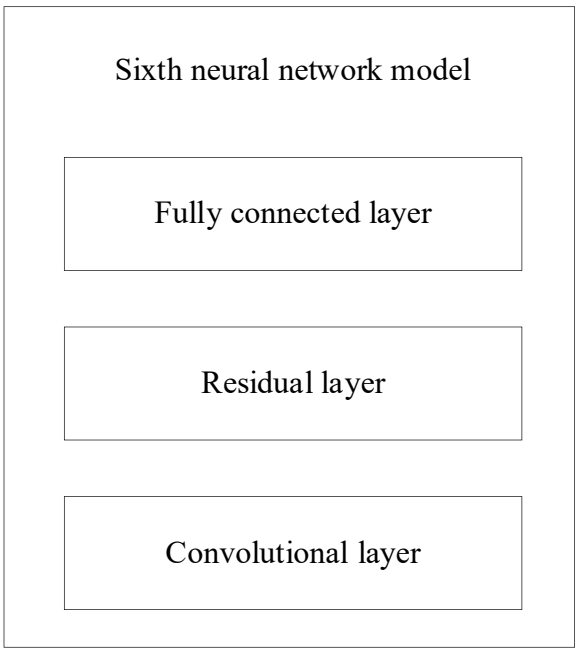


FIG. 3

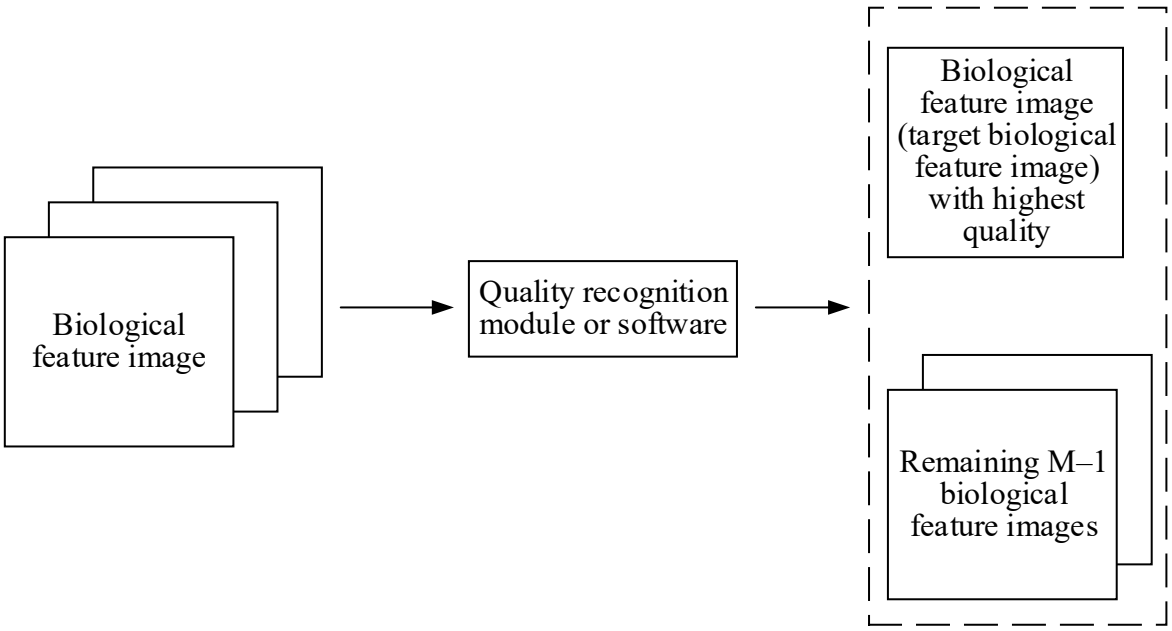

Biological feature image
Quality recognition module or software
Biological feature image (target biological feature image) with highest quality
Remaining M–1 biological feature images

FIG. 4

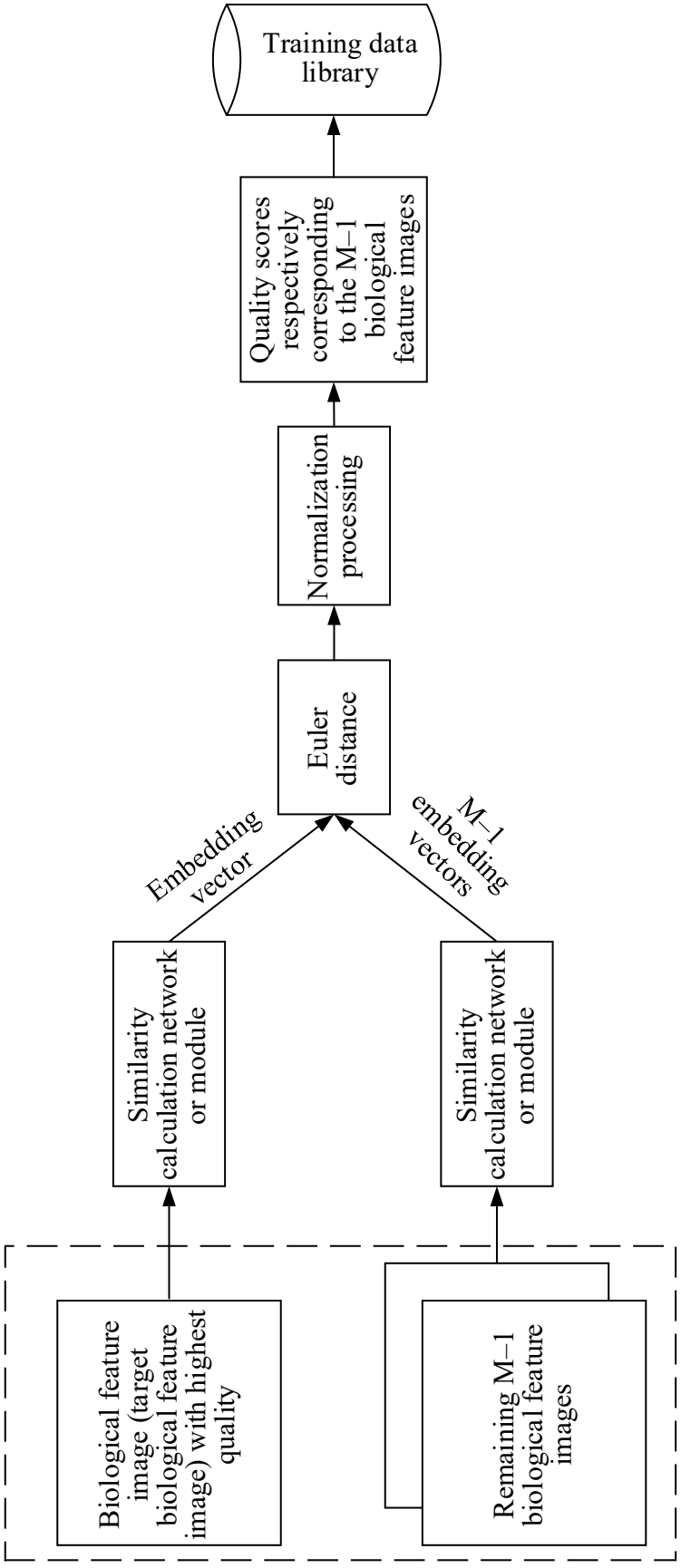

Training data library
Quality scores respectively corresponding to the M–1 biological feature images
Normalization processing
Euler distance
Embedding vector
M–1 embedding vectors
Similarity calculation network or module
Similarity calculation network or module
Biological feature image (target biological feature image) with highest quality
Remaining M–1 biological feature images

FIG. 5

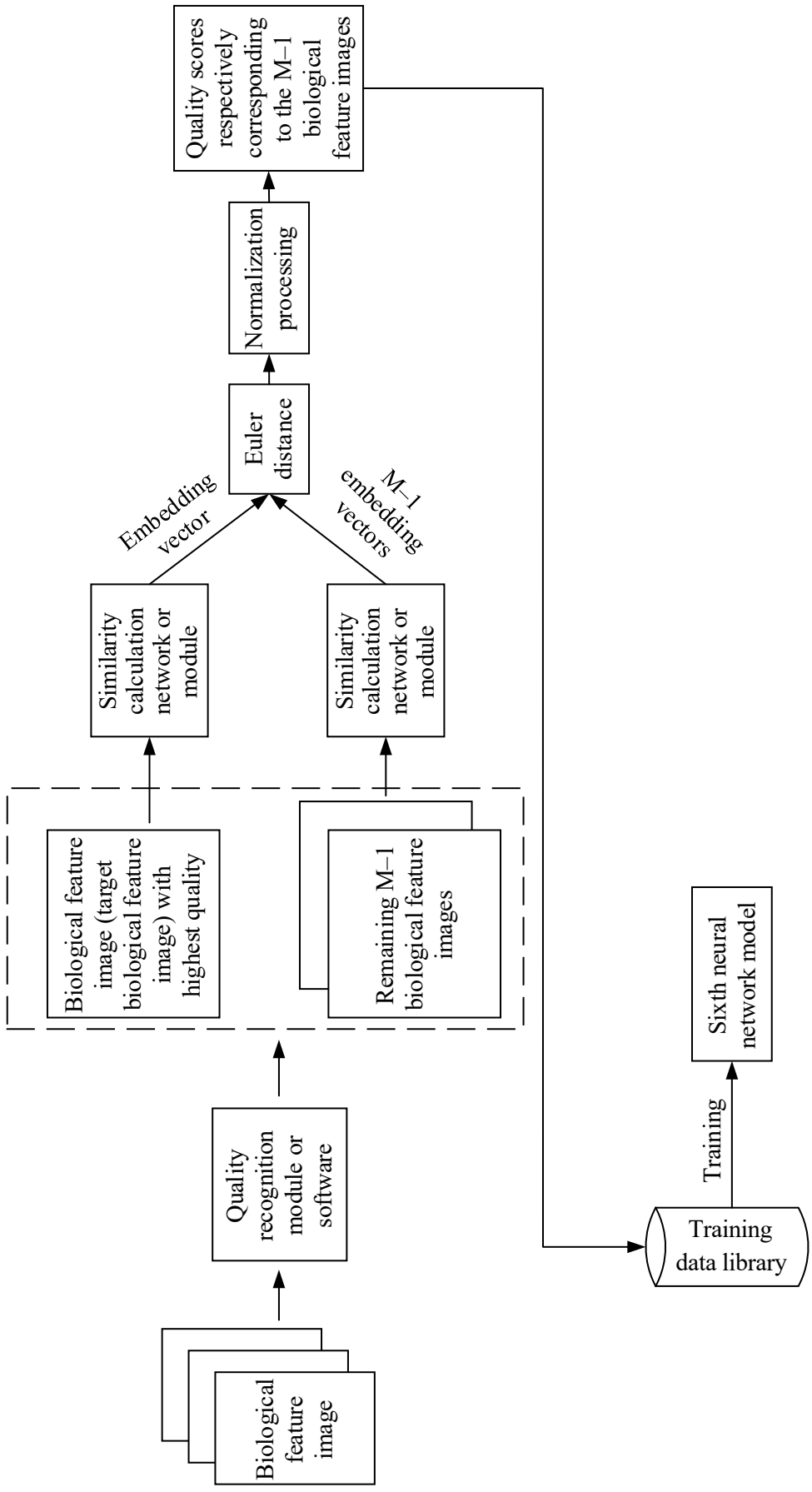

Biological feature image
Quality recognition module or software
Biological feature image (target biological feature image) with highest quality
Remaining M–1 biological feature images
Similarity calculation network or module
Similarity calculation network or module
Embedding vector
M–1 embedding vectors
Euler distance
Normalization processing
Quality scores respectively corresponding to the M–1 biological feature images
Training data library
Training
Sixth neural network model

FIG. 6

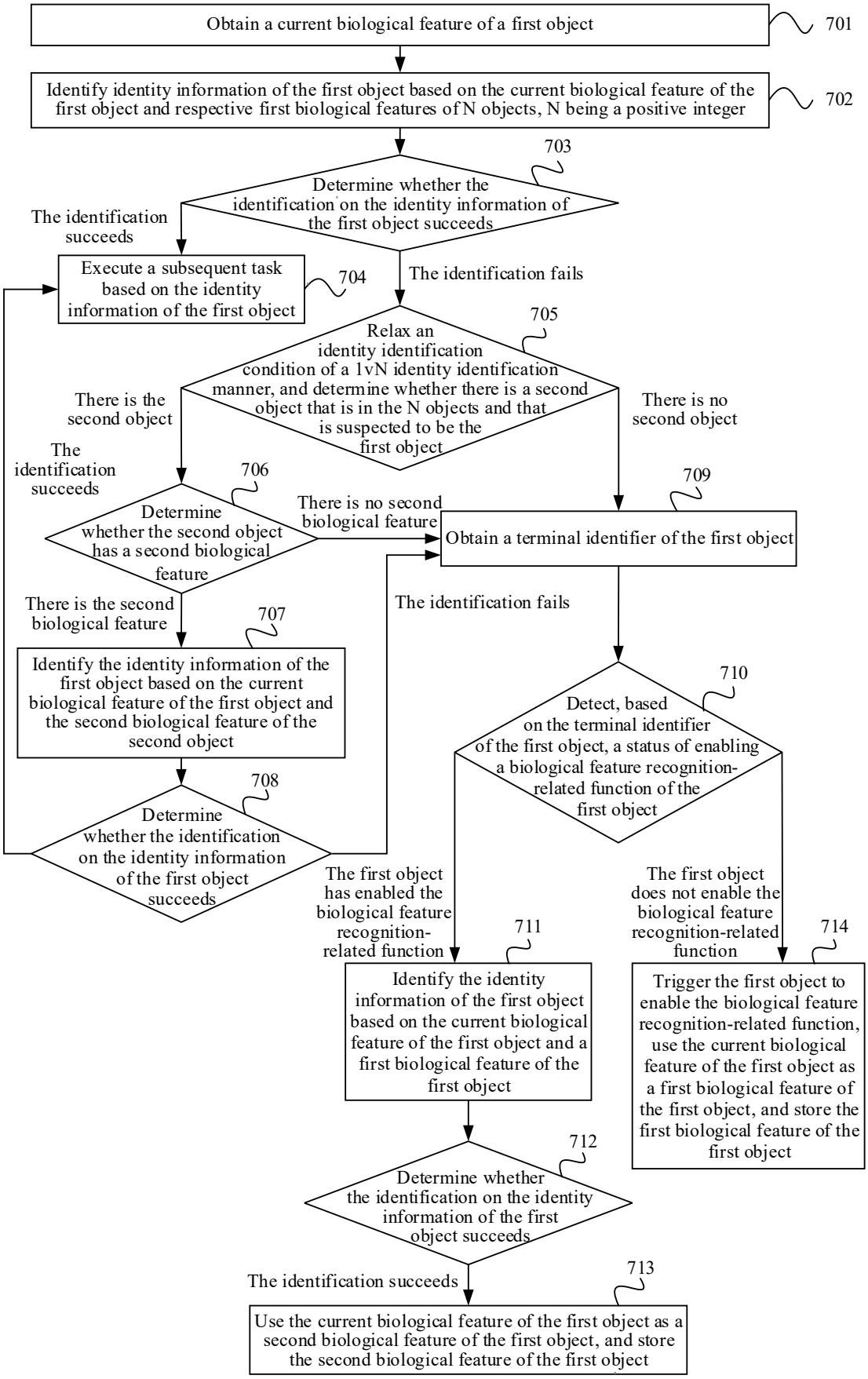

Obtain a current biological feature of a first object
701
Identify identity information of the first object based on the current biological feature of the first object and respective first biological features of N objects, N being a positive integer
702
703
Determine whether the identification on the identity information of the first object succeeds
The identification succeeds
The identification fails
Execute a subsequent task based on the identity information of the first object
704
705
Relax an identity identification condition of a 1vN identity identification manner, and determine whether there is a second object that is in the N objects and that is suspected to be the first object
There is the second object
There is no second object
The identification succeeds
706
Determine whether the second object has a second biological feature
There is no second biological feature
709
Obtain a terminal identifier of the first object
There is the second biological feature
707
Identify the identity information of the first object based on the current biological feature of the first object and the second biological feature of the second object
708
Determine whether the identification on the identity information of the first object succeeds
The identification fails
710
Detect, based on the terminal identifier of the first object, a status of enabling a biological feature recognition-related function of the first object
The first object has enabled the biological feature recognition-related function
The first object does not enable the biological feature recognition-related function
711
Identify the identity information of the first object based on the current biological feature of the first object and a first biological feature of the first object
714
Trigger the first object to enable the biological feature recognition-related function, use the current biological feature of the first object as a first biological feature of the first object, and store the first biological feature of the first object
712
Determine whether the identification on the identity information of the first object succeeds
The identification succeeds
713
Use the current biological feature of the first object as a second biological feature of the first object, and store the second biological feature of the first object

FIG. 7

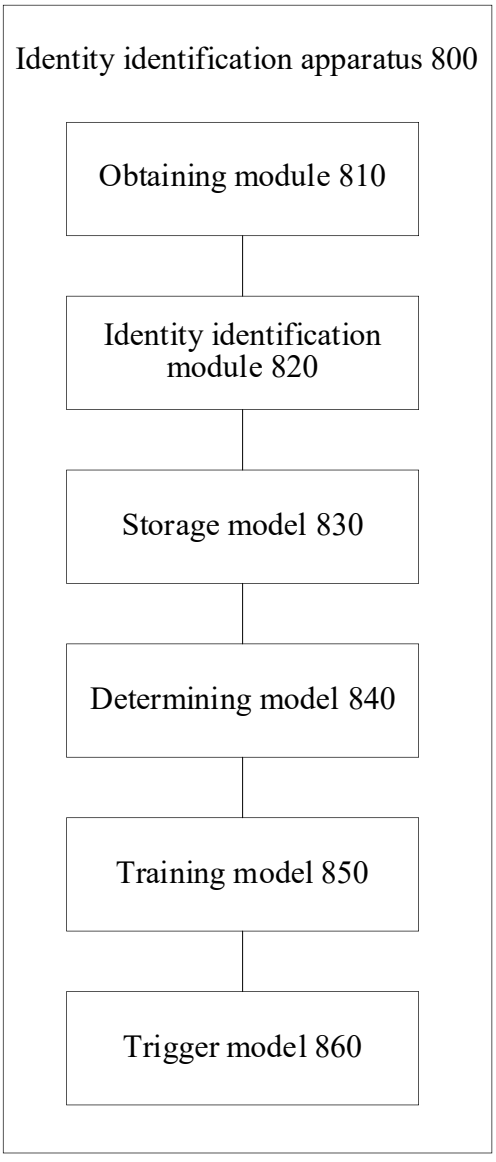

Identity identification apparatus 800
Obtaining module 810
Identity identification module 820
Storage model 830
Determining model 840
Training model 850
Trigger model 860

FIG. 8

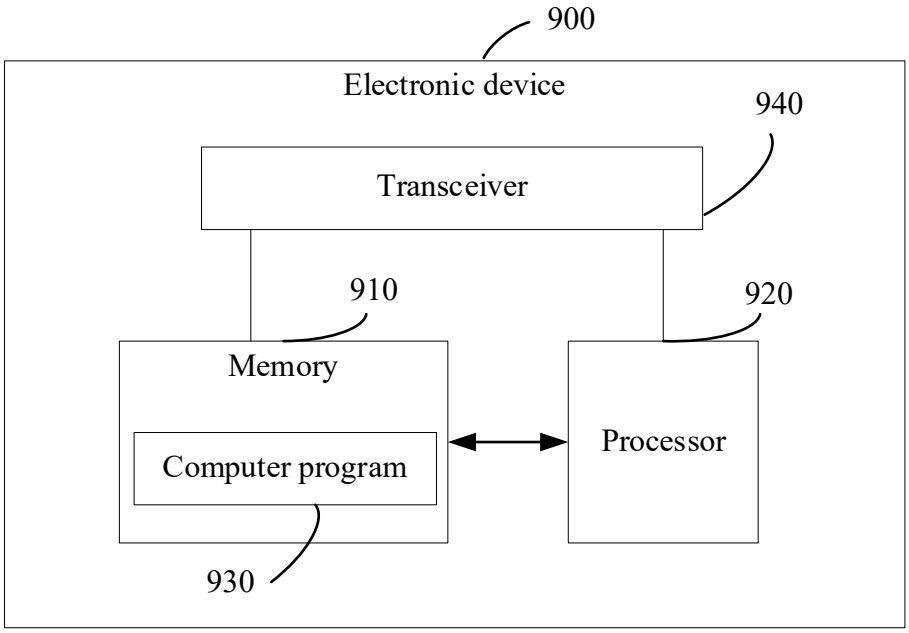

900
Electronic device
940
Transceiver
910
920
Memory
Processor
Computer program
930

FIG. 9