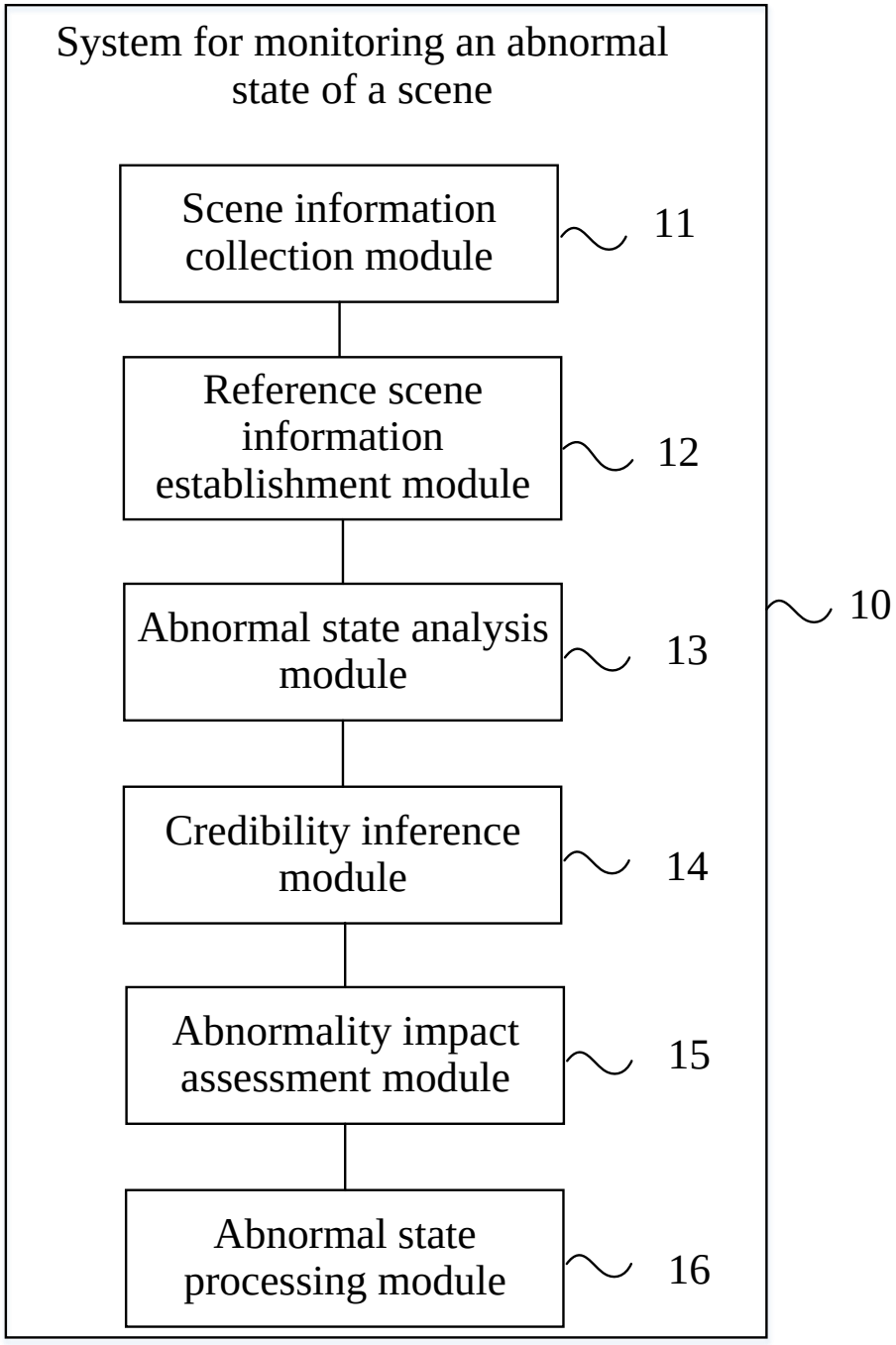

System for monitoring an abnormal state of a scene
Scene information collection module
11
Reference scene information establishment module
12
Abnormal state analysis module
13
Credibility inference module
14
Abnormality impact assessment module
15
Abnormal state processing module
16
10

FIG. 1

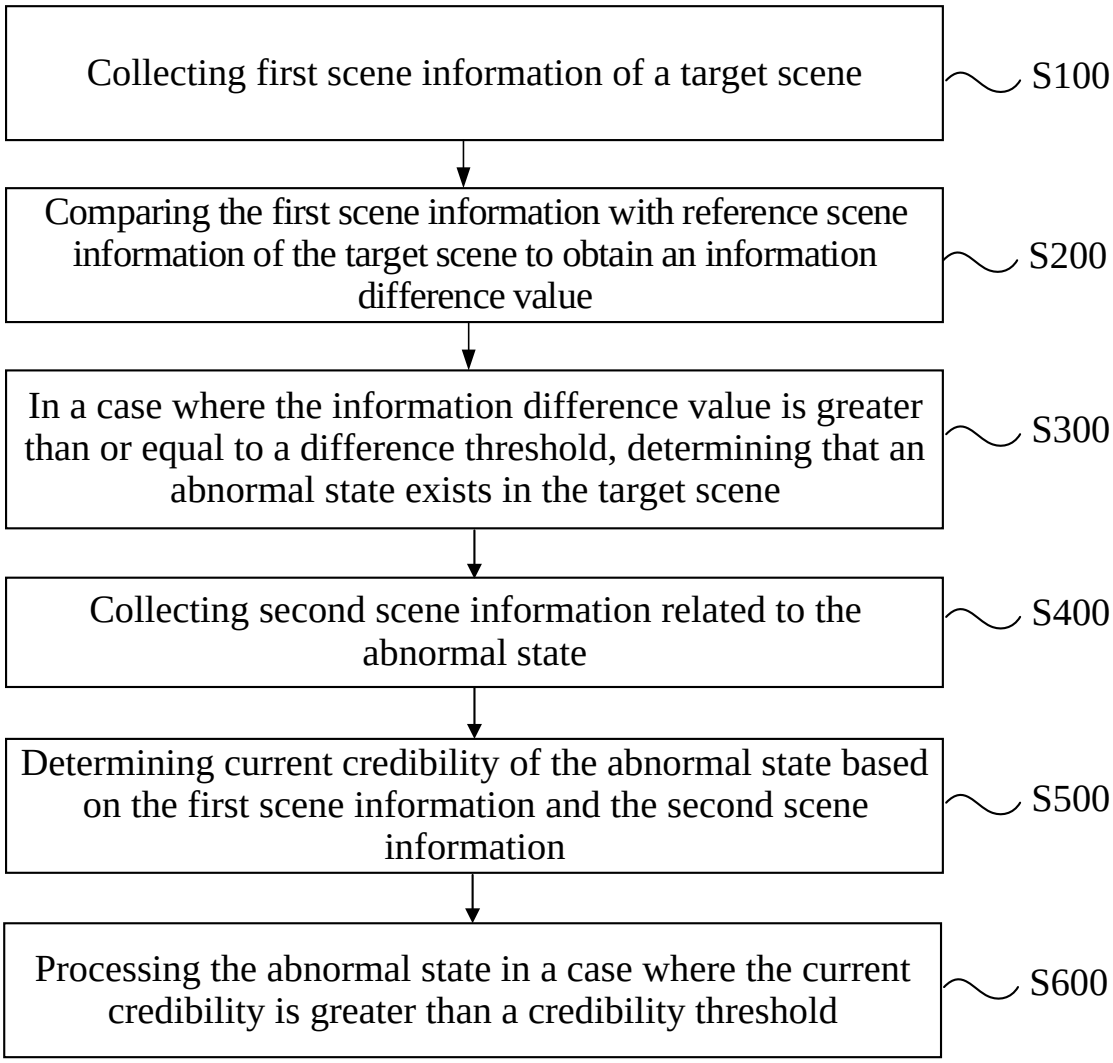

Collecting first scene information of a target scene
S100
Comparing the first scene information with reference scene information of the target scene to obtain an information difference value
S200
In a case where the information difference value is greater than or equal to a difference threshold, determining that an abnormal state exists in the target scene
S300
Collecting second scene information related to the abnormal state
S400
Determining current credibility of the abnormal state based on the first scene information and the second scene information
S500
Processing the abnormal state in a case where the current credibility is greater than a credibility threshold
S600

FIG. 2

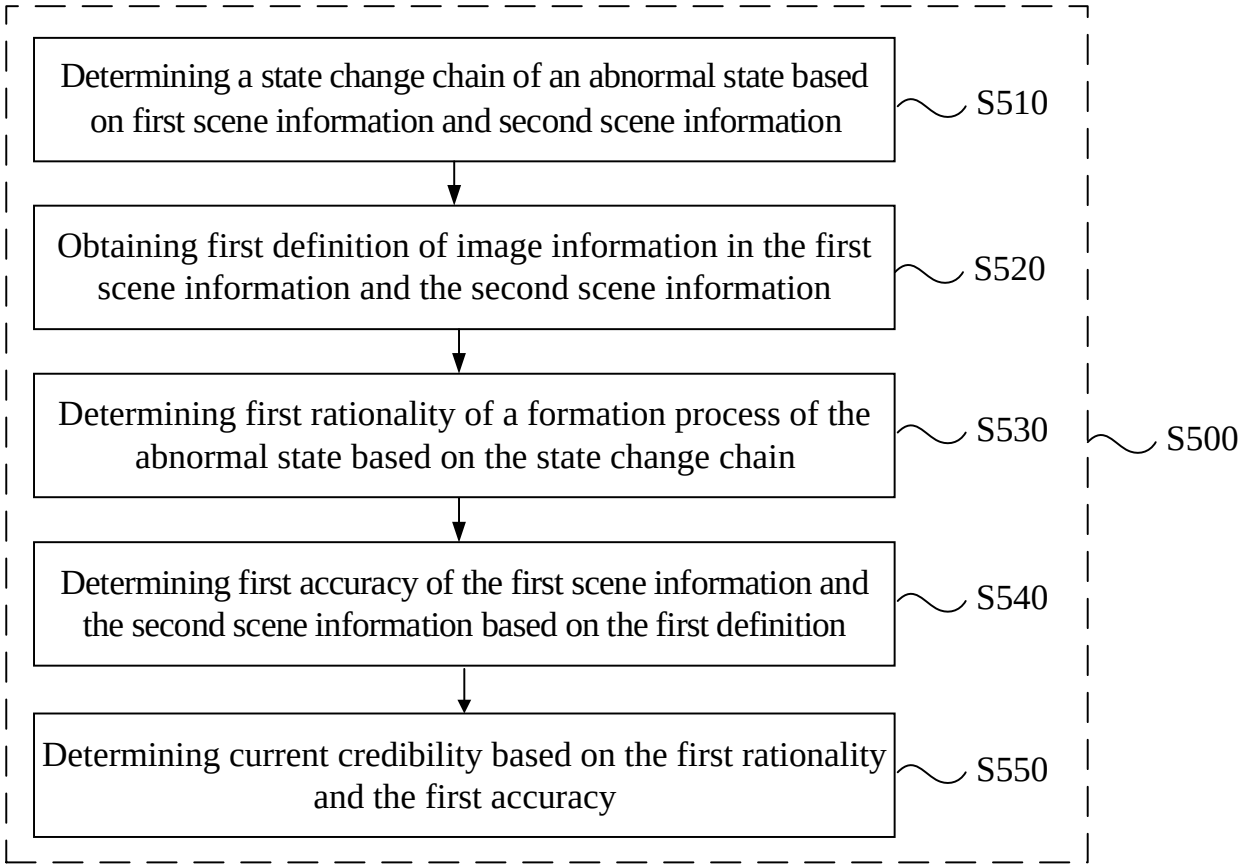

Determining a state change chain of an abnormal state based on first scene information and second scene information
S510
Obtaining first definition of image information in the first scene information and the second scene information
S520
Determining first rationality of a formation process of the abnormal state based on the state change chain
S530
S500
Determining first accuracy of the first scene information and the second scene information based on the first definition
S540
Determining current credibility based on the first rationality and the first accuracy
S550

FIG. 3

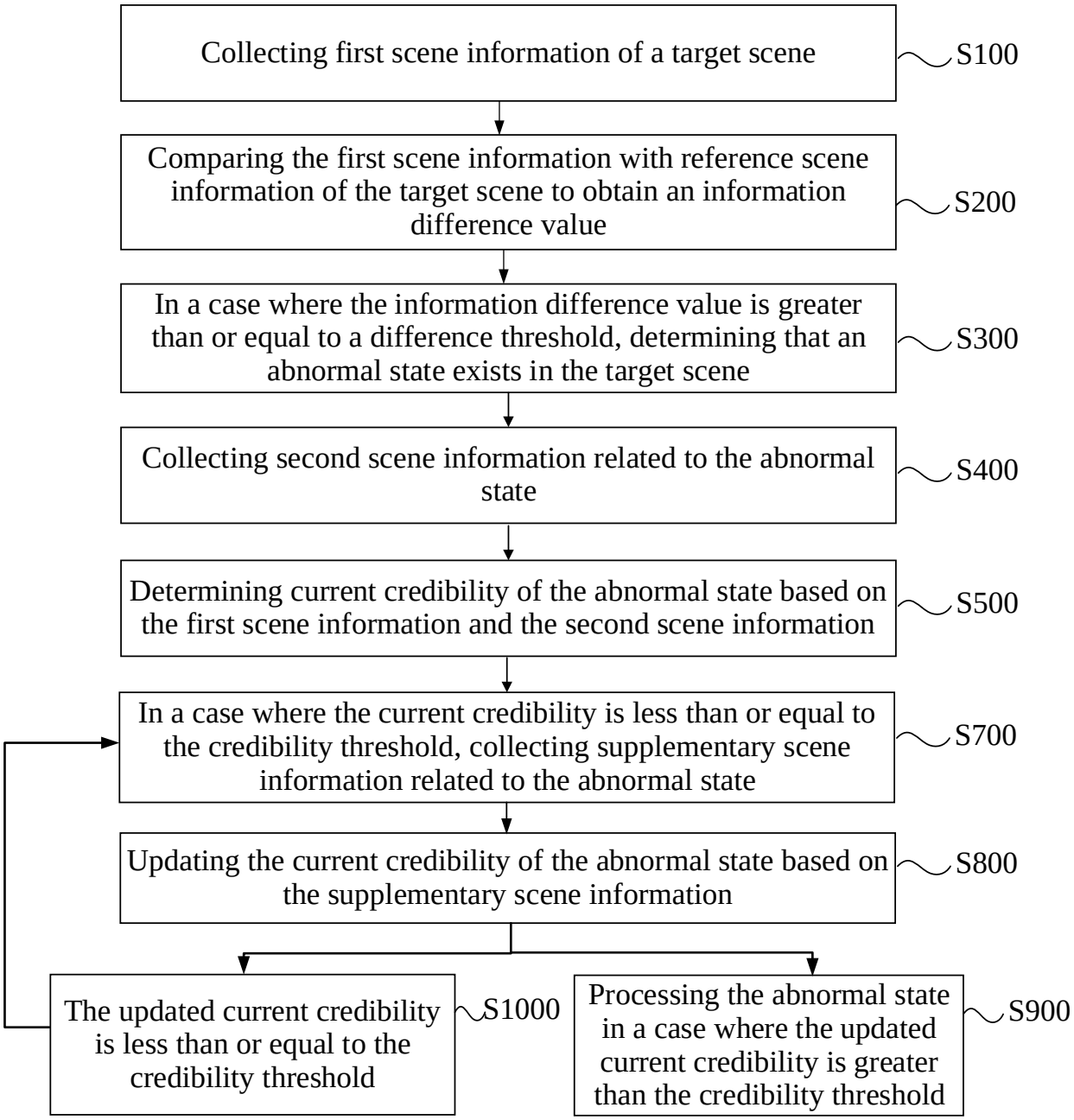

Collecting first scene information of a target scene
S100
Comparing the first scene information with reference scene information of the target scene to obtain an information difference value
S200
In a case where the information difference value is greater than or equal to a difference threshold, determining that an abnormal state exists in the target scene
S300
Collecting second scene information related to the abnormal state
S400
Determining current credibility of the abnormal state based on the first scene information and the second scene information
S500
In a case where the current credibility is less than or equal to the credibility threshold, collecting supplementary scene information related to the abnormal state
S700
Updating the current credibility of the abnormal state based on the supplementary scene information
S800
The updated current credibility is less than or equal to the credibility threshold
S1000
Processing the abnormal state in a case where the updated current credibility is greater than the credibility threshold
S900

FIG. 4

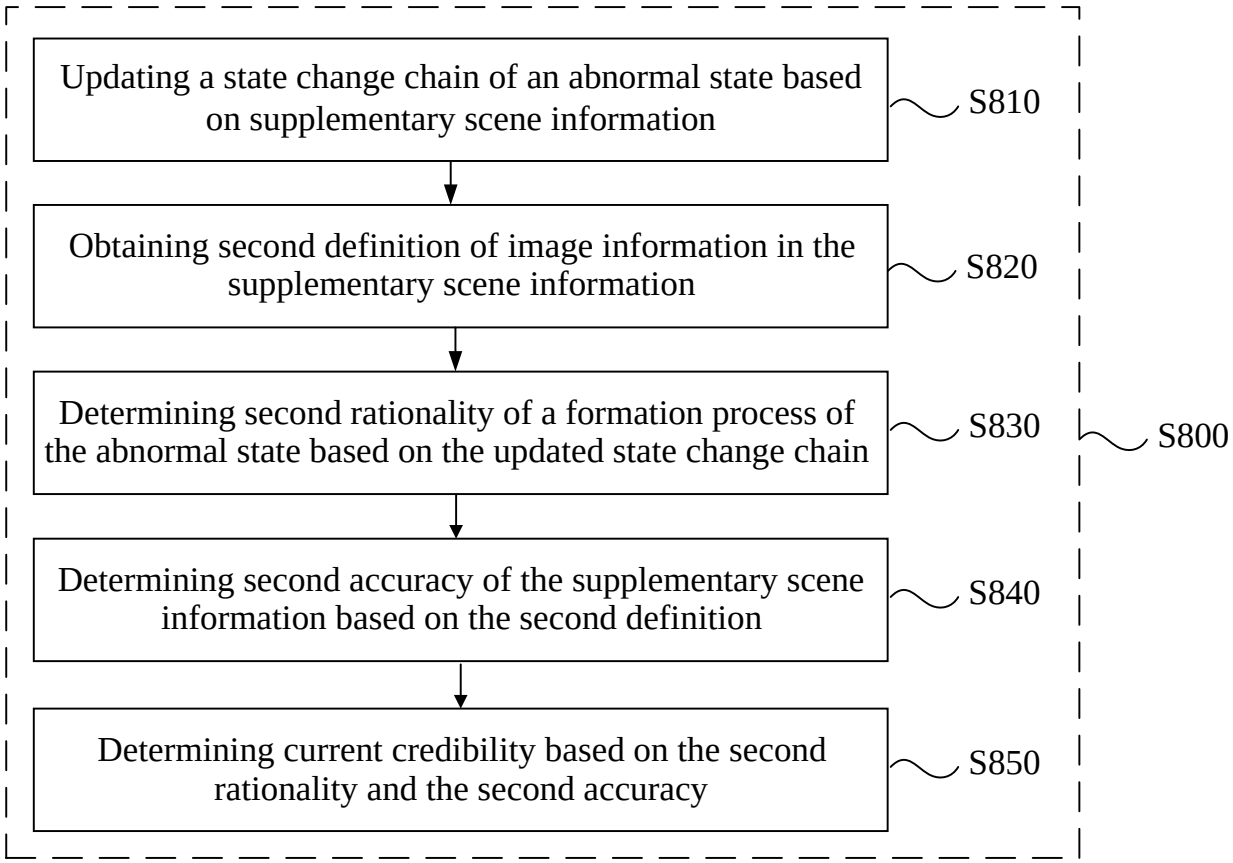

Updating a state change chain of an abnormal state based on supplementary scene information
S810
Obtaining second definition of image information in the supplementary scene information
S820
Determining second rationality of a formation process of the abnormal state based on the updated state change chain
S830
Determining second accuracy of the supplementary scene information based on the second definition
S840
Determining current credibility based on the second rationality and the second accuracy
S850
S800

FIG. 5

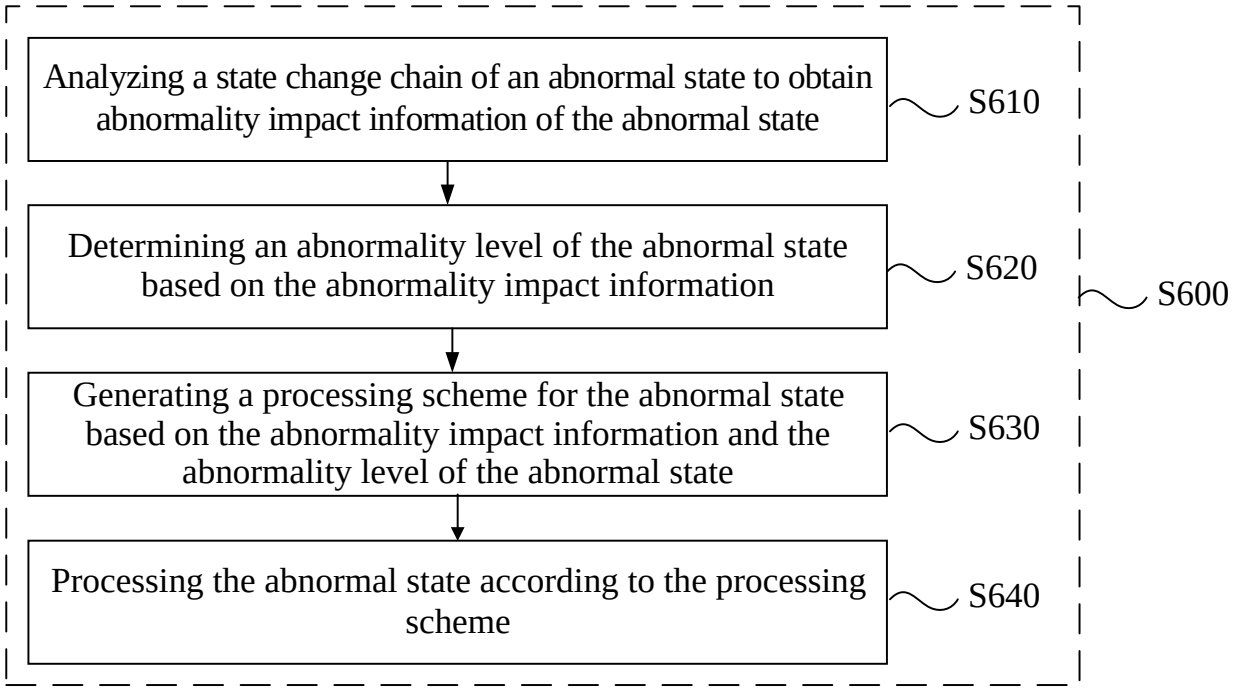

Analyzing a state change chain of an abnormal state to obtain abnormality impact information of the abnormal state
S610
Determining an abnormality level of the abnormal state based on the abnormality impact information
S620
Generating a processing scheme for the abnormal state based on the abnormality impact information and the abnormality level of the abnormal state
S630
Processing the abnormal state according to the processing scheme
S640
S600

FIG. 6

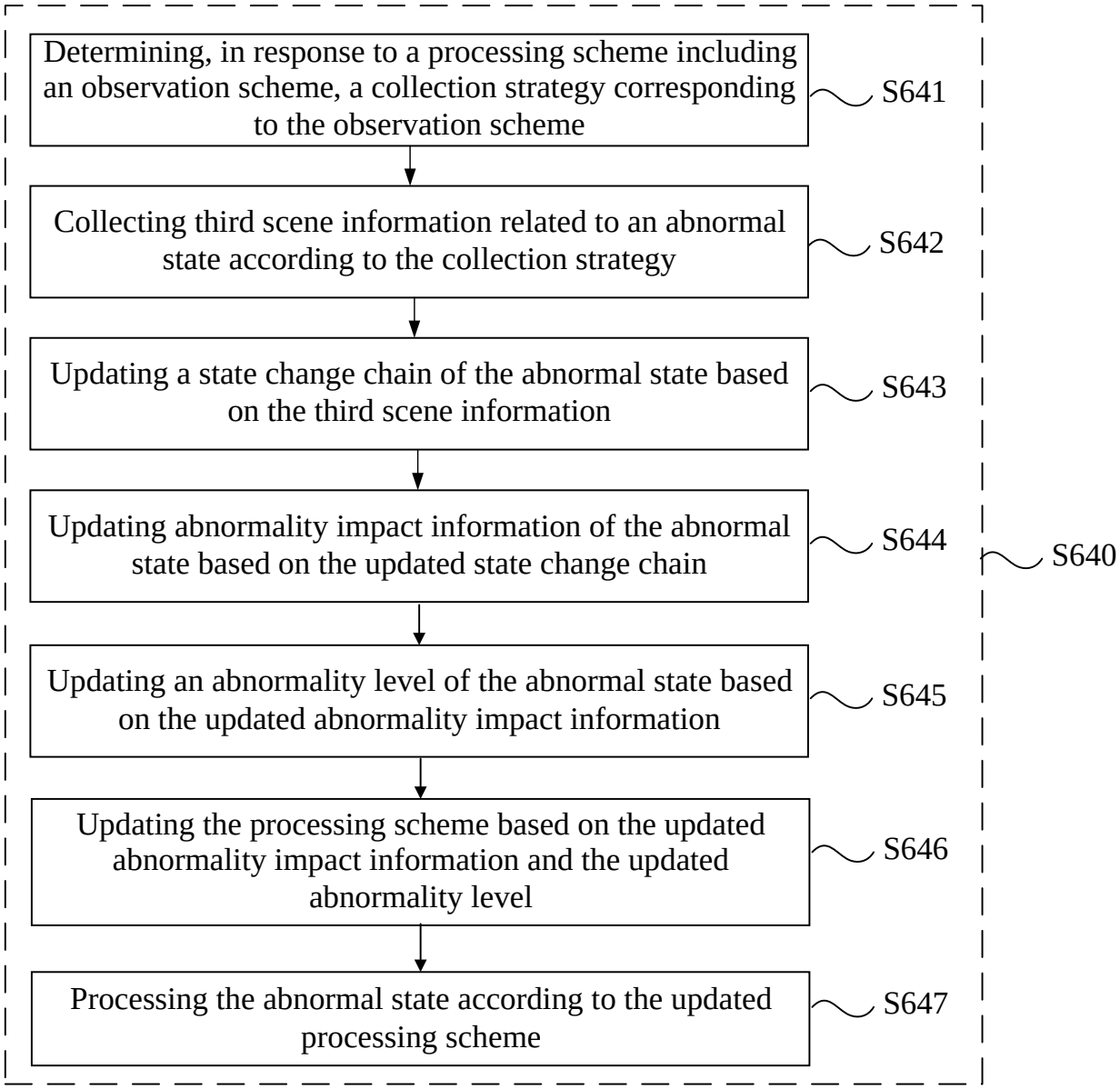

Determining, in response to a processing scheme including an observation scheme, a collection strategy corresponding to the observation scheme
S641
Collecting third scene information related to an abnormal state according to the collection strategy
S642
Updating a state change chain of the abnormal state based on the third scene information
S643
Updating abnormality impact information of the abnormal state based on the updated state change chain
S644
S640
Updating an abnormality level of the abnormal state based on the updated abnormality impact information
S645
Updating the processing scheme based on the updated abnormality impact information and the updated abnormality level
S646
Processing the abnormal state according to the updated processing scheme
S647

FIG. 7

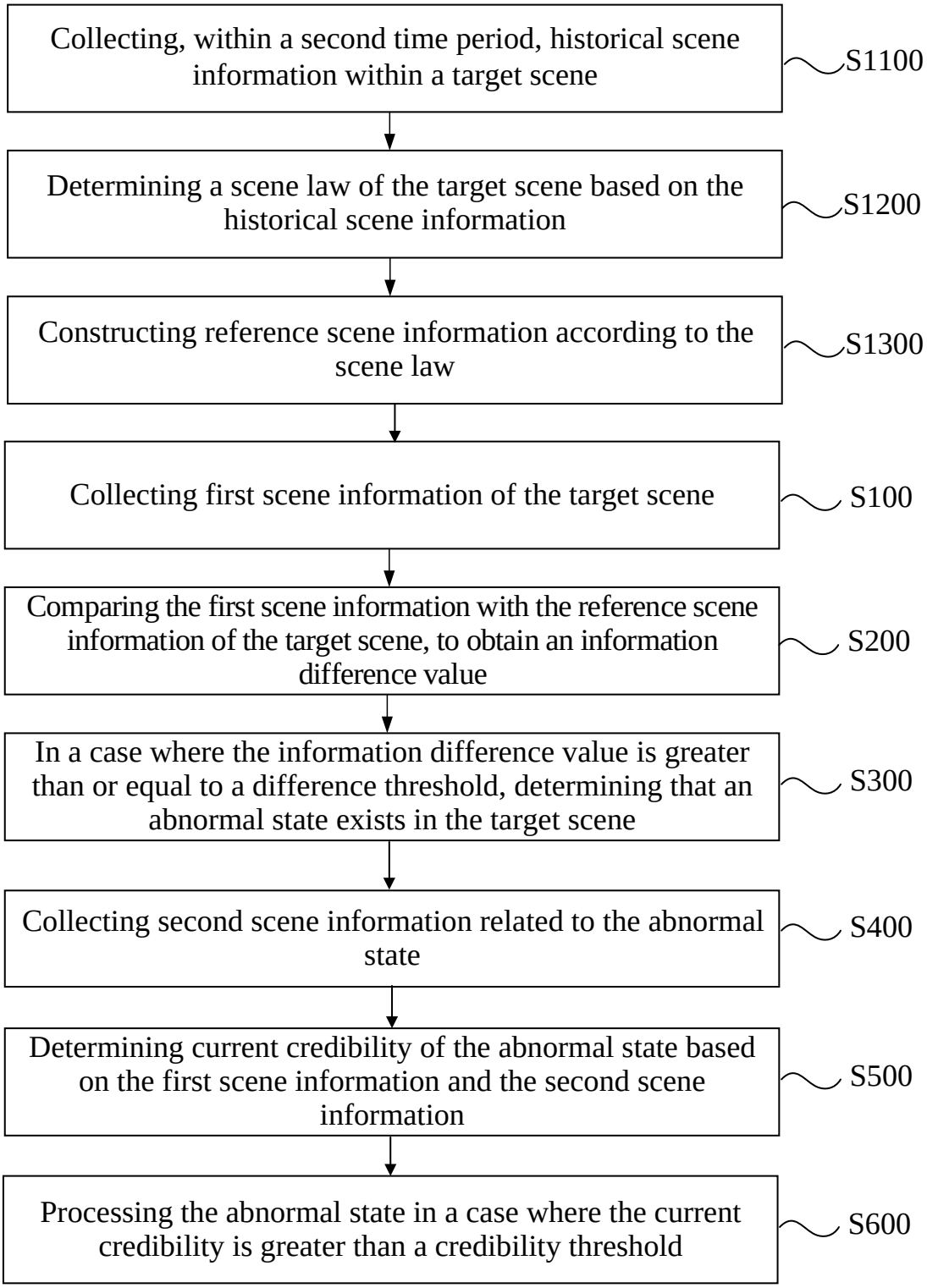

Collecting, within a second time period, historical scene information within a target scene
S1100
Determining a scene law of the target scene based on the historical scene information
S1200
Constructing reference scene information according to the scene law
S1300
Collecting first scene information of the target scene
S100
Comparing the first scene information with the reference scene information of the target scene, to obtain an information difference value
S200
In a case where the information difference value is greater than or equal to a difference threshold, determining that an abnormal state exists in the target scene
S300
Collecting second scene information related to the abnormal state
S400
Determining current credibility of the abnormal state based on the first scene information and the second scene information
S500
Processing the abnormal state in a case where the current credibility is greater than a credibility threshold
S600

FIG. 8

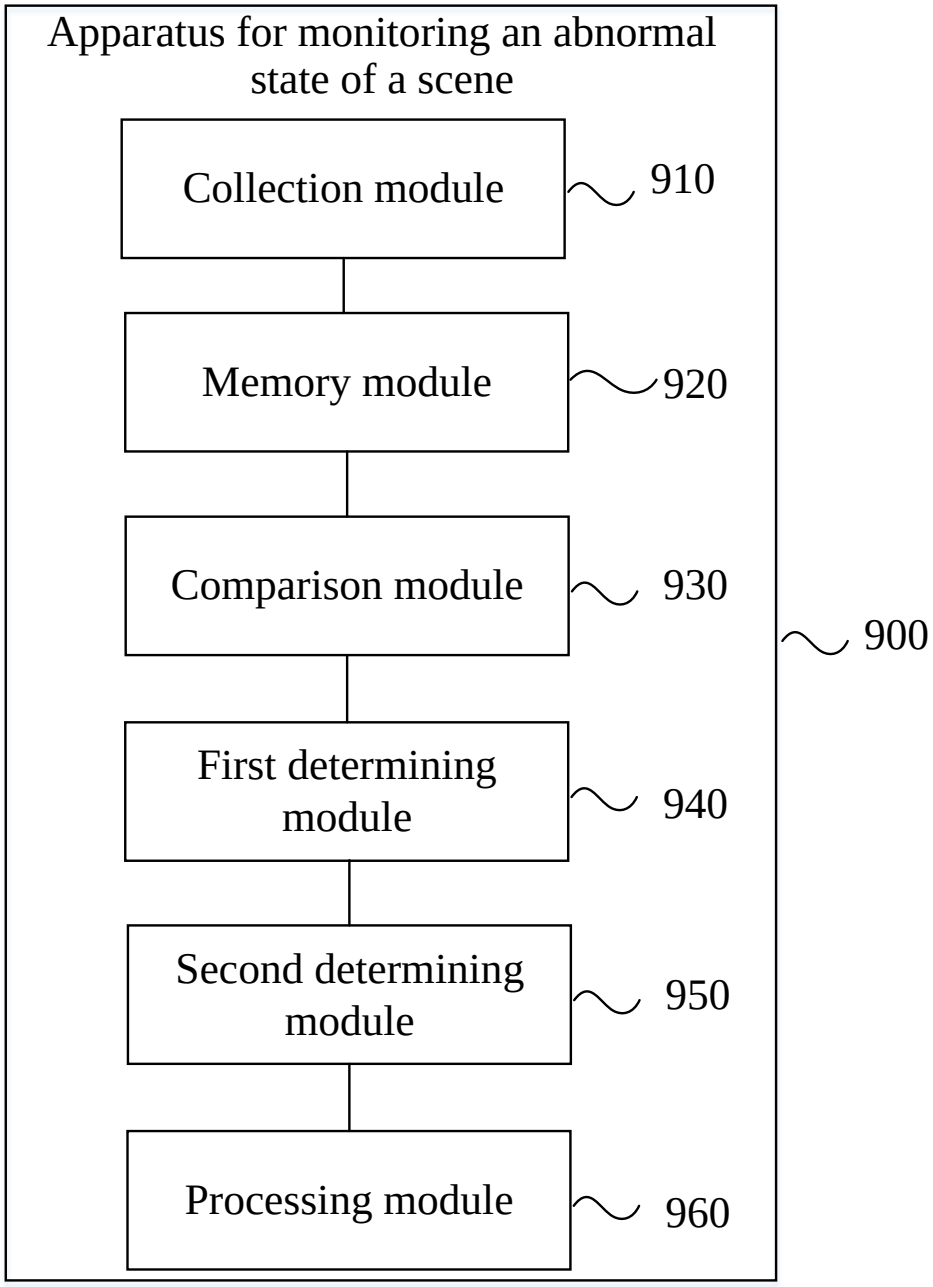

Apparatus for monitoring an abnormal state of a scene
Collection module
910
Memory module
920
Comparison module
930
First determining module
940
Second determining module
950
Processing module
960
900

FIG. 9

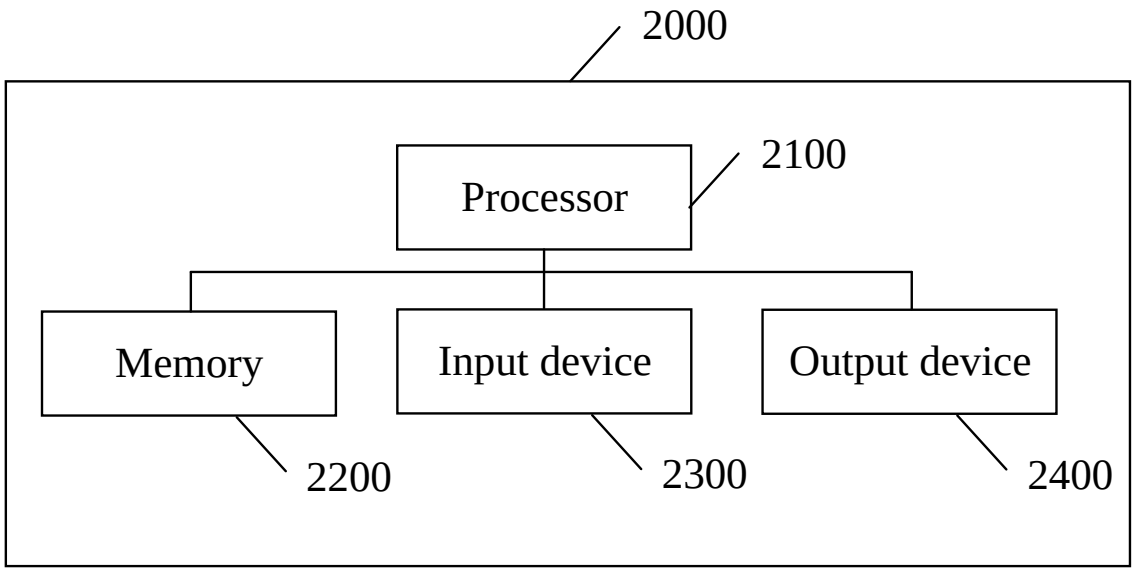

2000
Processor
2100
Memory
Input device
Output device
2200
2300
2400

FIG. 10