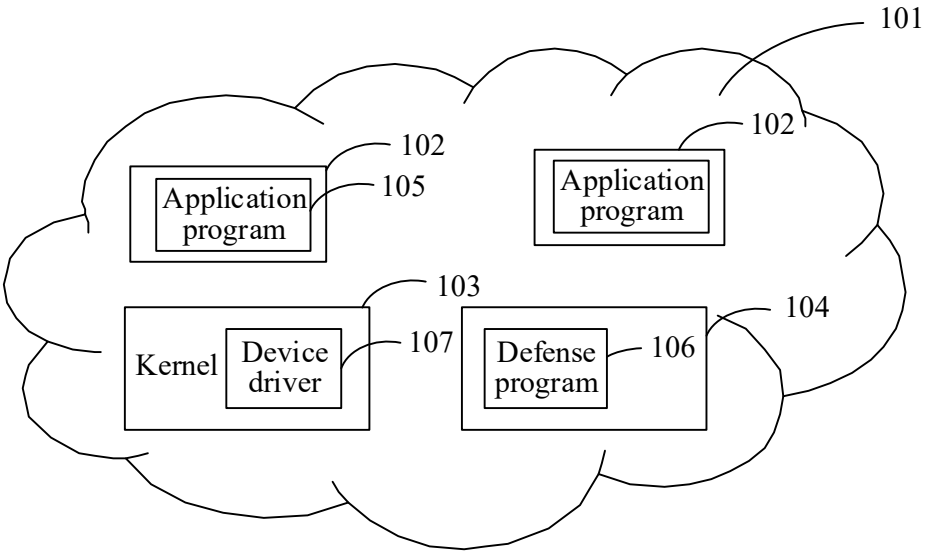

101
102
Application program
105
102
Application program
103
Kernel
Device driver
107
104
Defense program
106

FIG. 1

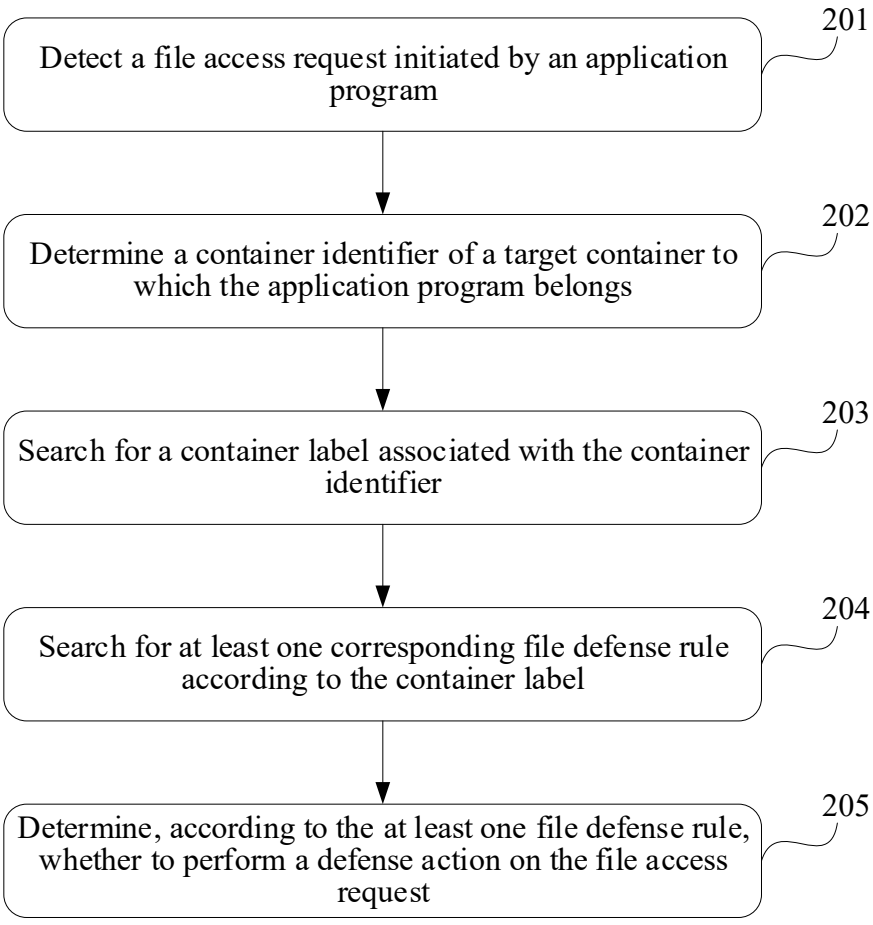

Detect a file access request initiated by an application program
201
Determine a container identifier of a target container to which the application program belongs
202
Search for a container label associated with the container identifier
203
Search for at least one corresponding file defense rule according to the container label
204
Determine, according to the at least one file defense rule, whether to perform a defense action on the file access request
205

FIG. 2

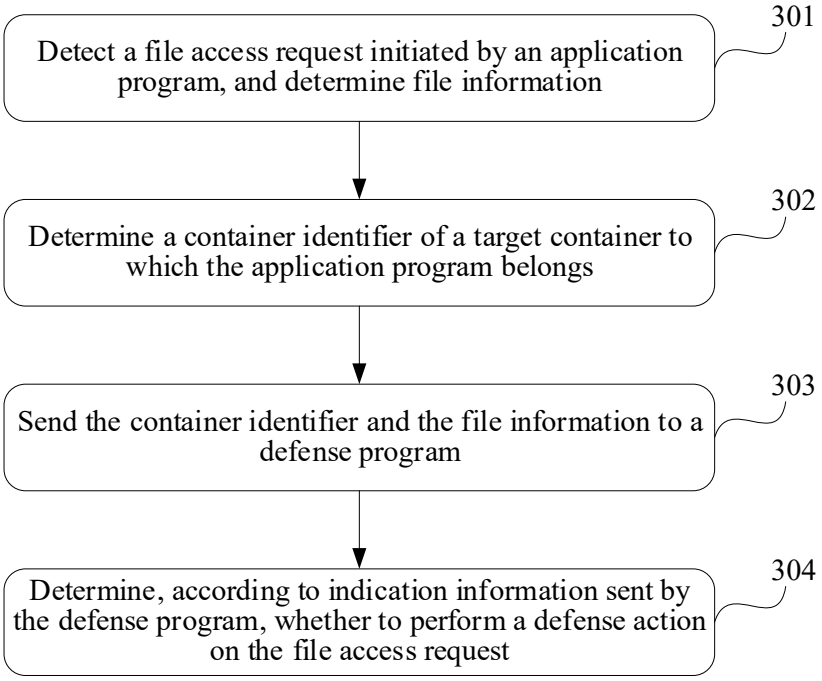

Detect a file access request initiated by an application program, and determine file information
301
Determine a container identifier of a target container to which the application program belongs
302
Send the container identifier and the file information to a defense program
303
Determine, according to indication information sent by the defense program, whether to perform a defense action on the file access request
304

FIG. 3

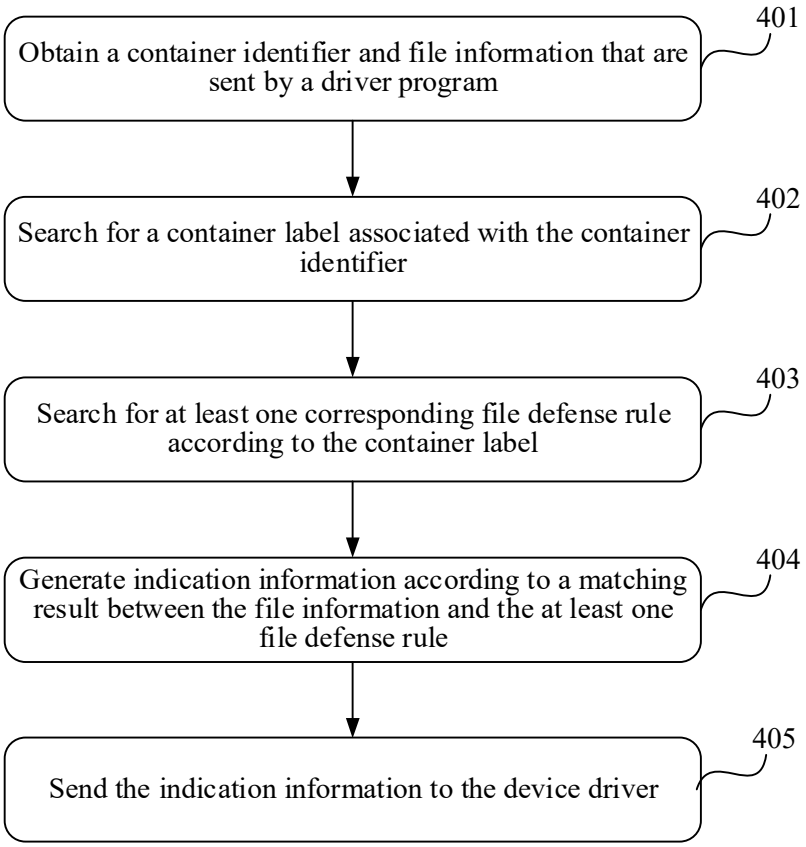

Obtain a container identifier and file information that are sent by a driver program
401
Search for a container label associated with the container identifier
402
Search for at least one corresponding file defense rule according to the container label
403
Generate indication information according to a matching result between the file information and the at least one file defense rule
404
Send the indication information to the device driver
405

FIG. 4

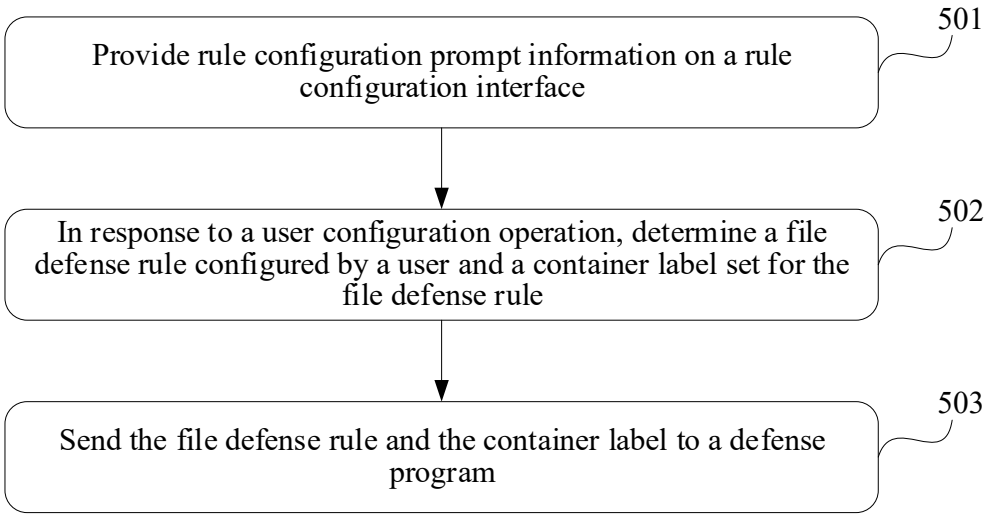

Provide rule configuration prompt information on a rule configuration interface
501
In response to a user configuration operation, determine a file defense rule configured by a user and a container label set for the file defense rule
502
Send the file defense rule and the container label to a defense program
503

FIG. 5

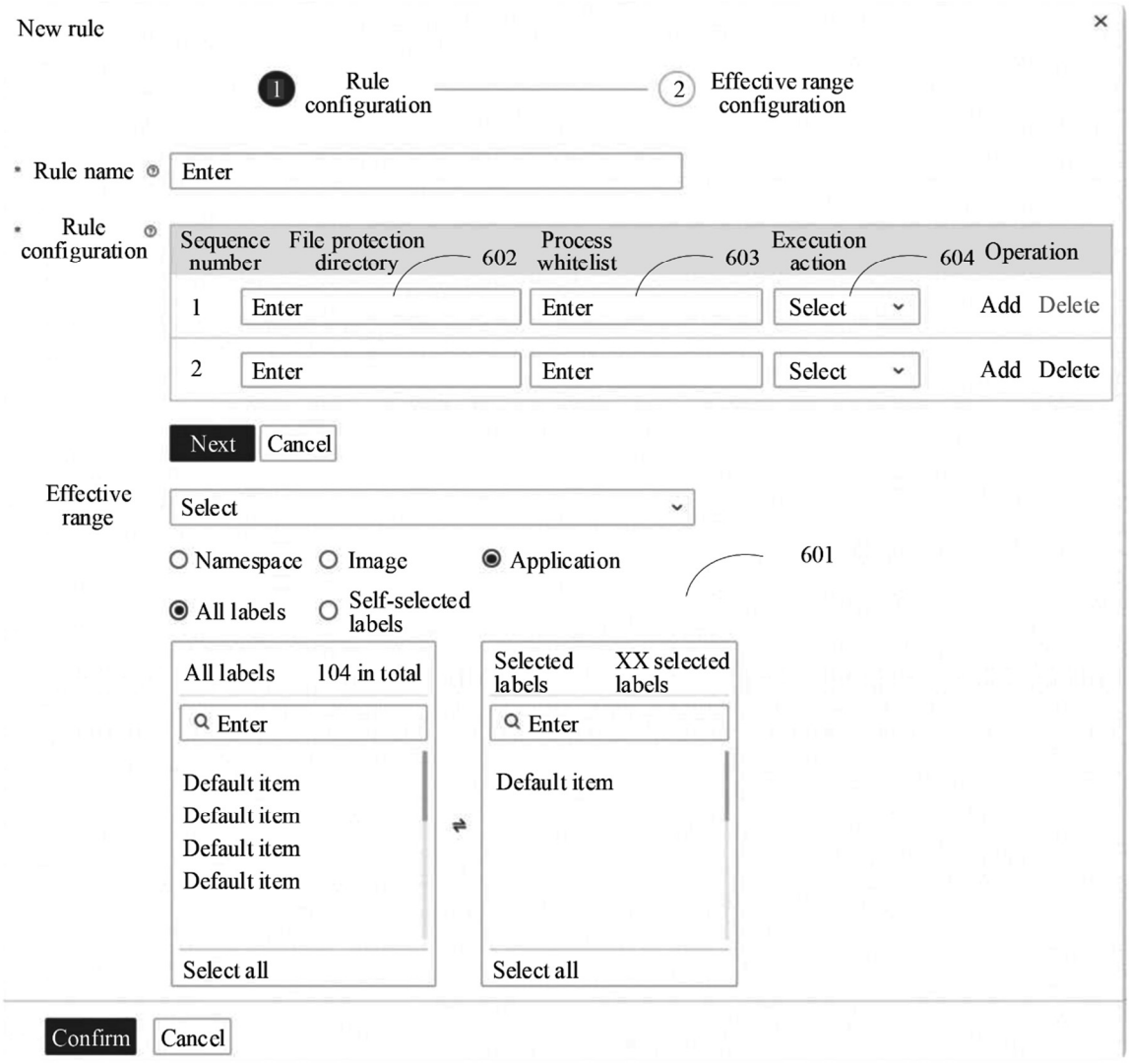

New rule
1 Rule configuration
2 Effective range configuration
Rule name
Enter
Rule configuration
Sequence number
File protection directory
602
Process whitelist
603
Execution action
604
Operation
1
Enter
Enter
Select
Add Delete
2
Enter
Enter
Select
Add Delete
Next
Cancel
Effective range
Select
Namespace
Image
Application
601
All labels
Self-selected labels
All labels
104 in total
Enter
Default item
Default item
Default item
Default item
Select all
Selected labels
XX selected labels
Enter
Default item
Select all
Confirm
Cancel

FIG. 6

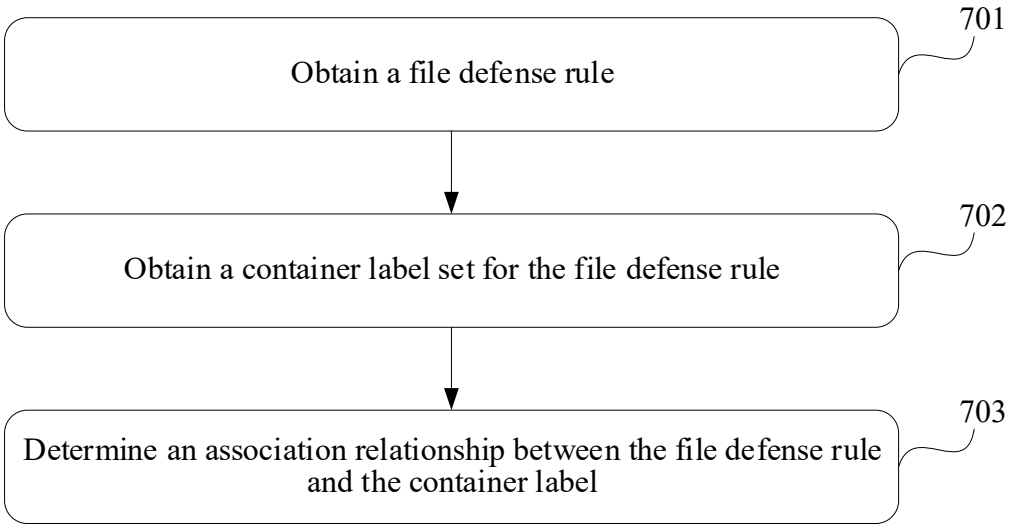


FIG. 7

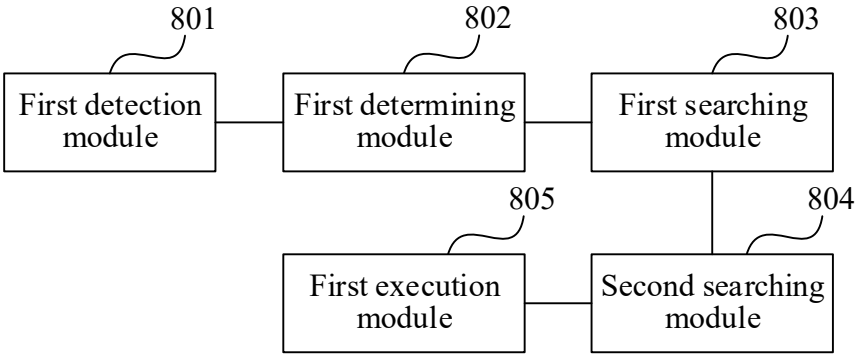


FIG. 8

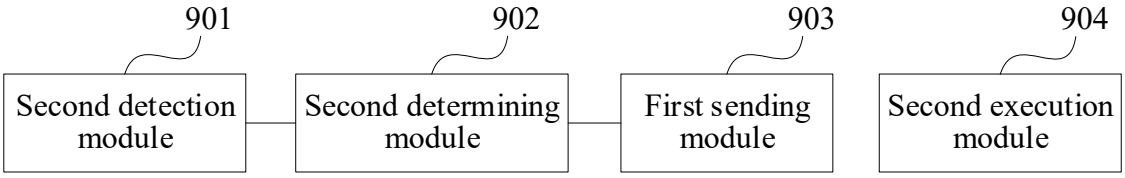


FIG. 9

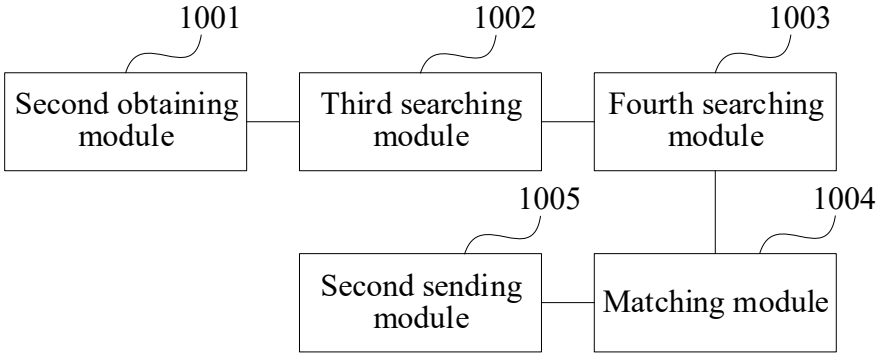


FIG. 10

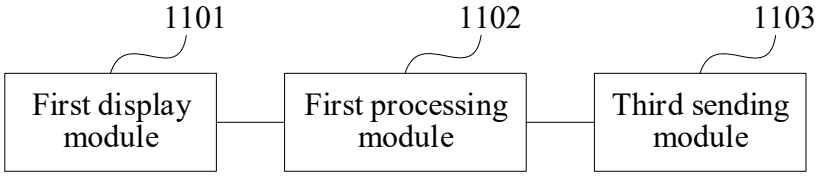


FIG. 11

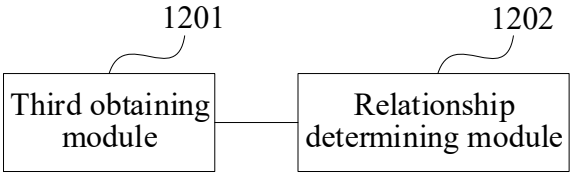


FIG. 12

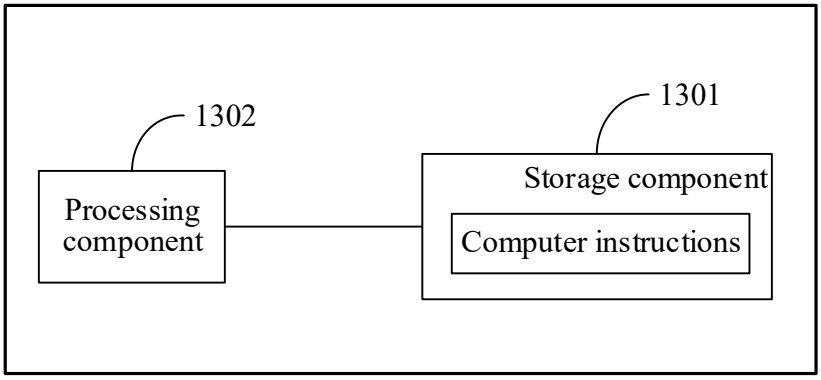


FIG. 13