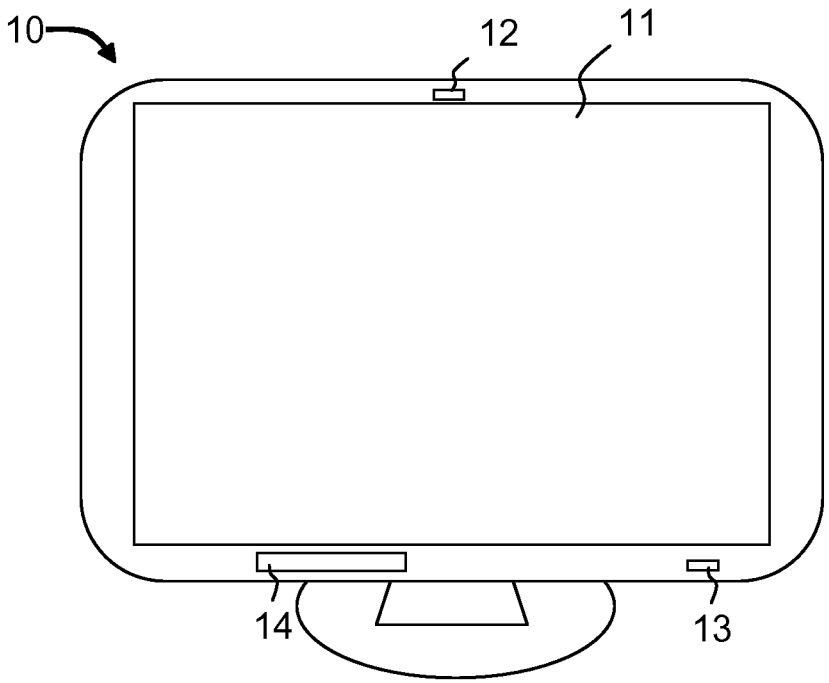


Fig. 1

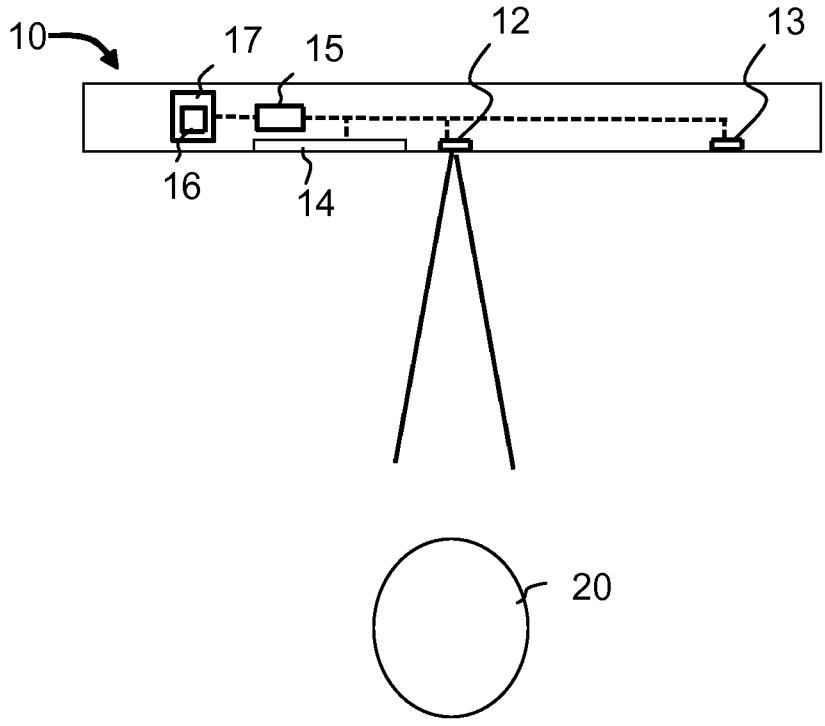


Fig. 2

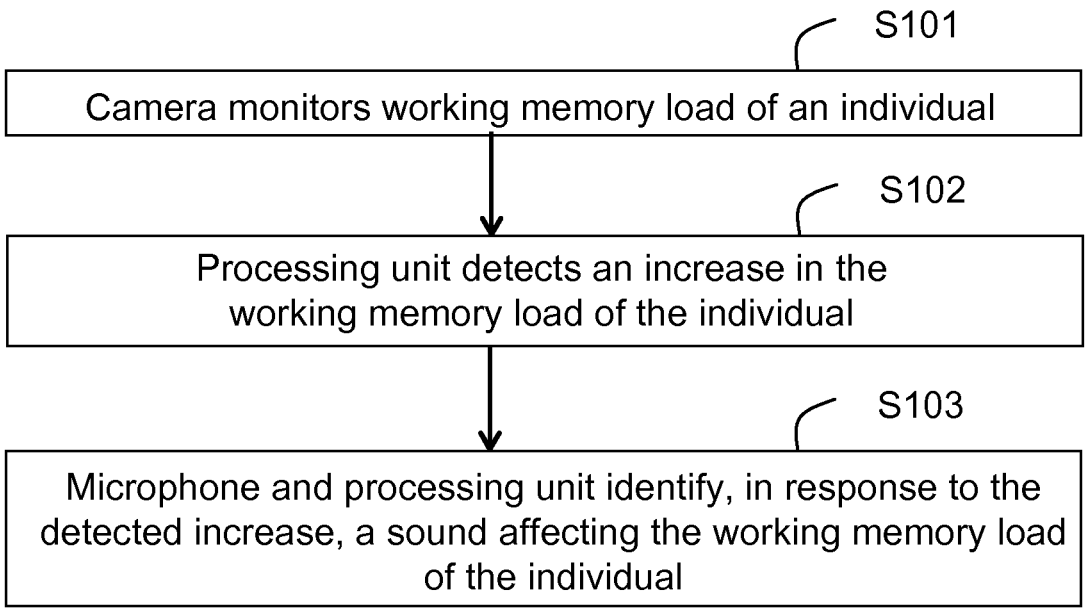
S101
Camera monitors working memory load of an individual
S102
Processing unit detects an increase in the working memory load of the individual
S103
Microphone and processing unit identify, in response to the detected increase, a sound affecting the working memory load of the individual

Fig. 3

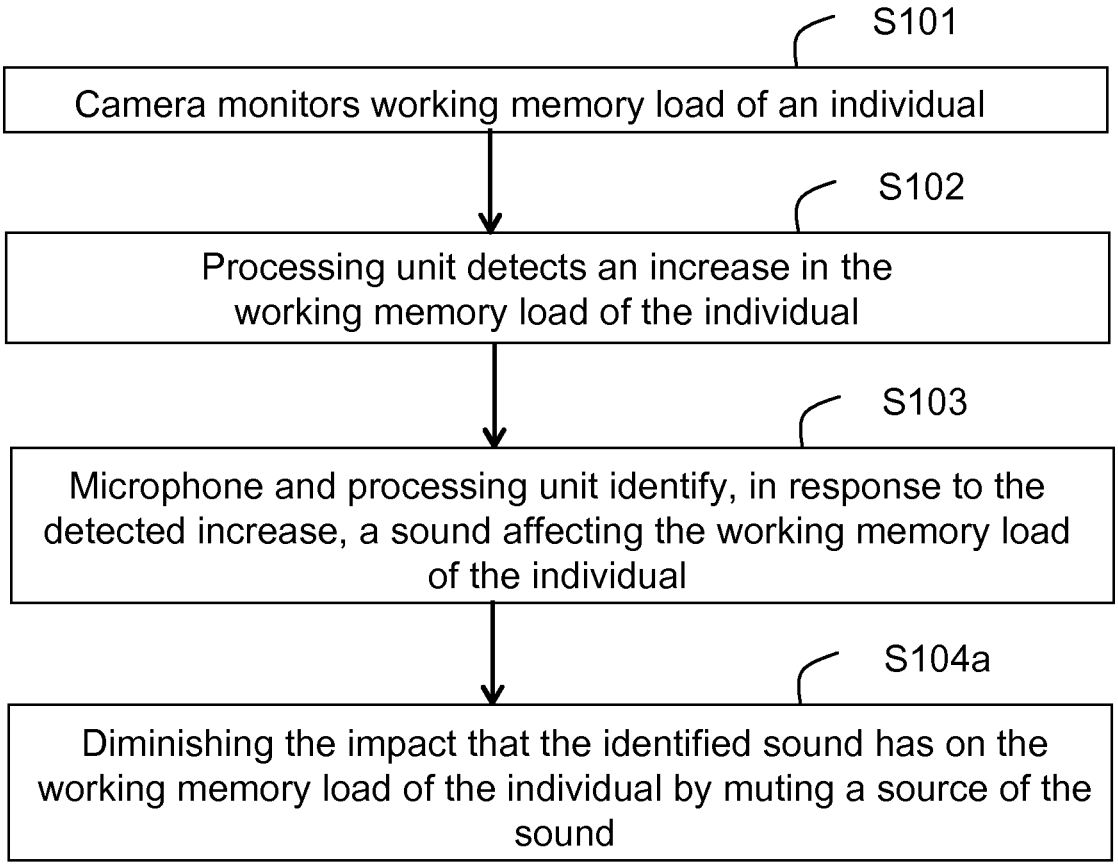
S101
Camera monitors working memory load of an individual
S102
Processing unit detects an increase in the working memory load of the individual
S103
Microphone and processing unit identify, in response to the detected increase, a sound affecting the working memory load of the individual
S104a
Diminishing the impact that the identified sound has on the working memory load of the individual by muting a source of the sound

Fig. 4

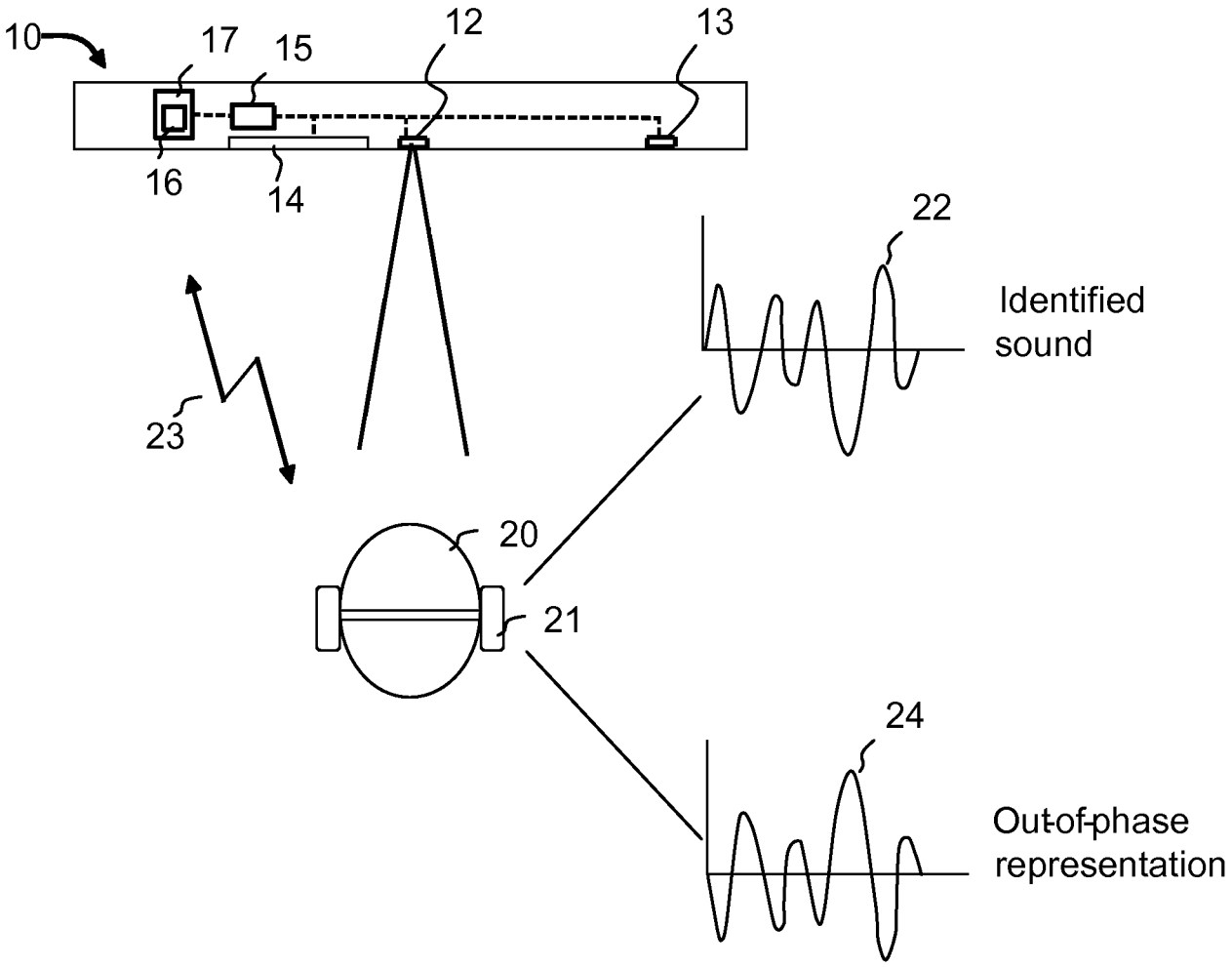
10
17
15
12
13
16
14
22
Identified sound
23
20
21
24
Out-of-phase representation

Fig. 5

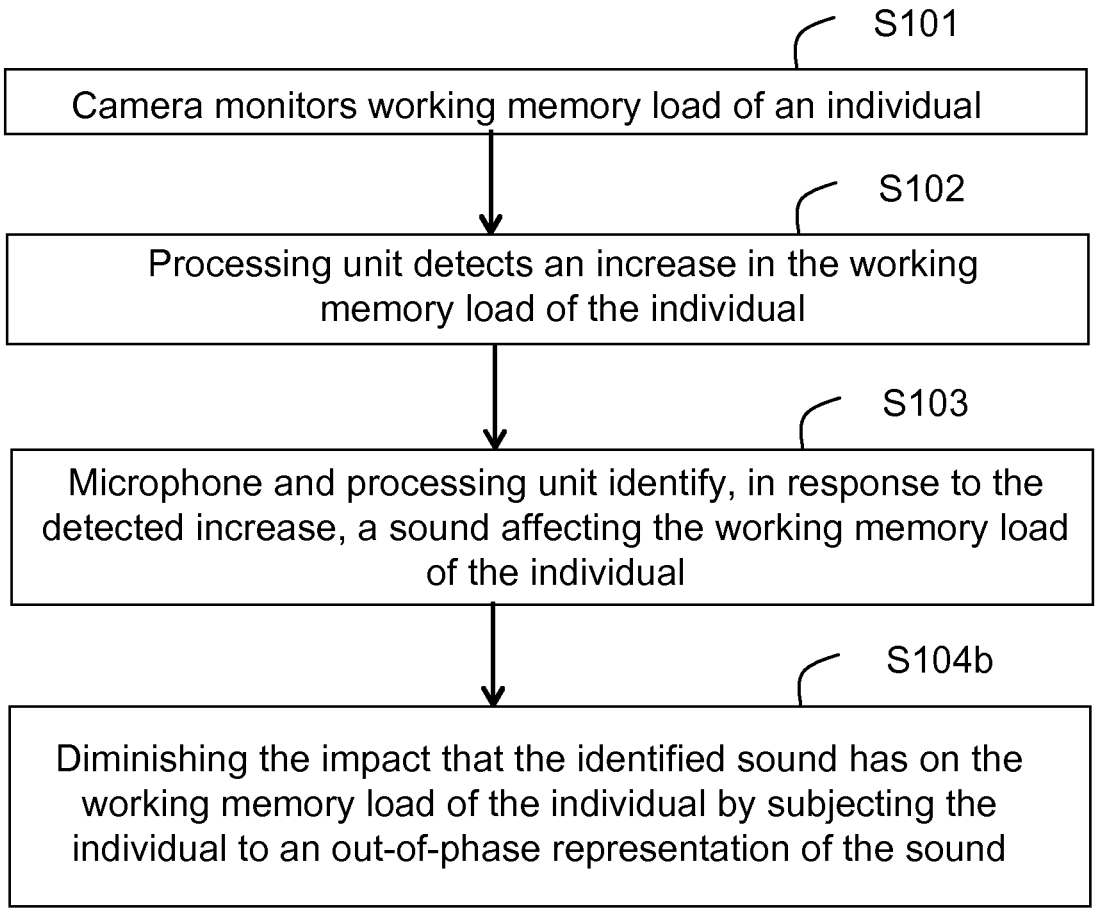
S101
Camera monitors working memory load of an individual
S102
Processing unit detects an increase in the working memory load of the individual
S103
Microphone and processing unit identify, in response to the detected increase, a sound affecting the working memory load of the individual
S104b
Diminishing the impact that the identified sound has on the working memory load of the individual by subjecting the individual to an out-of-phase representation of the sound

Fig. 6

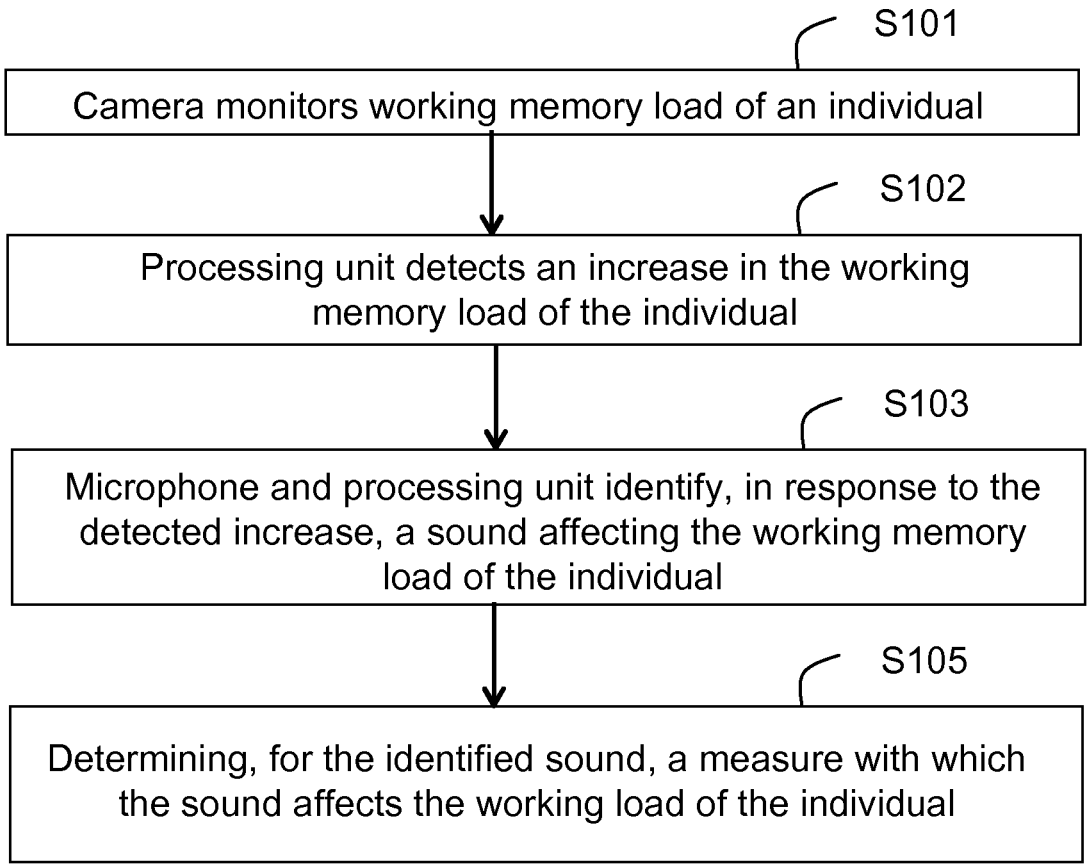
S101
Camera monitors working memory load of an individual
S102
Processing unit detects an increase in the working memory load of the individual
S103
Microphone and processing unit identify, in response to the detected increase, a sound affecting the working memory load of the individual
S105
Determining, for the identified sound, a measure with which the sound affects the working load of the individual

Fig. 7

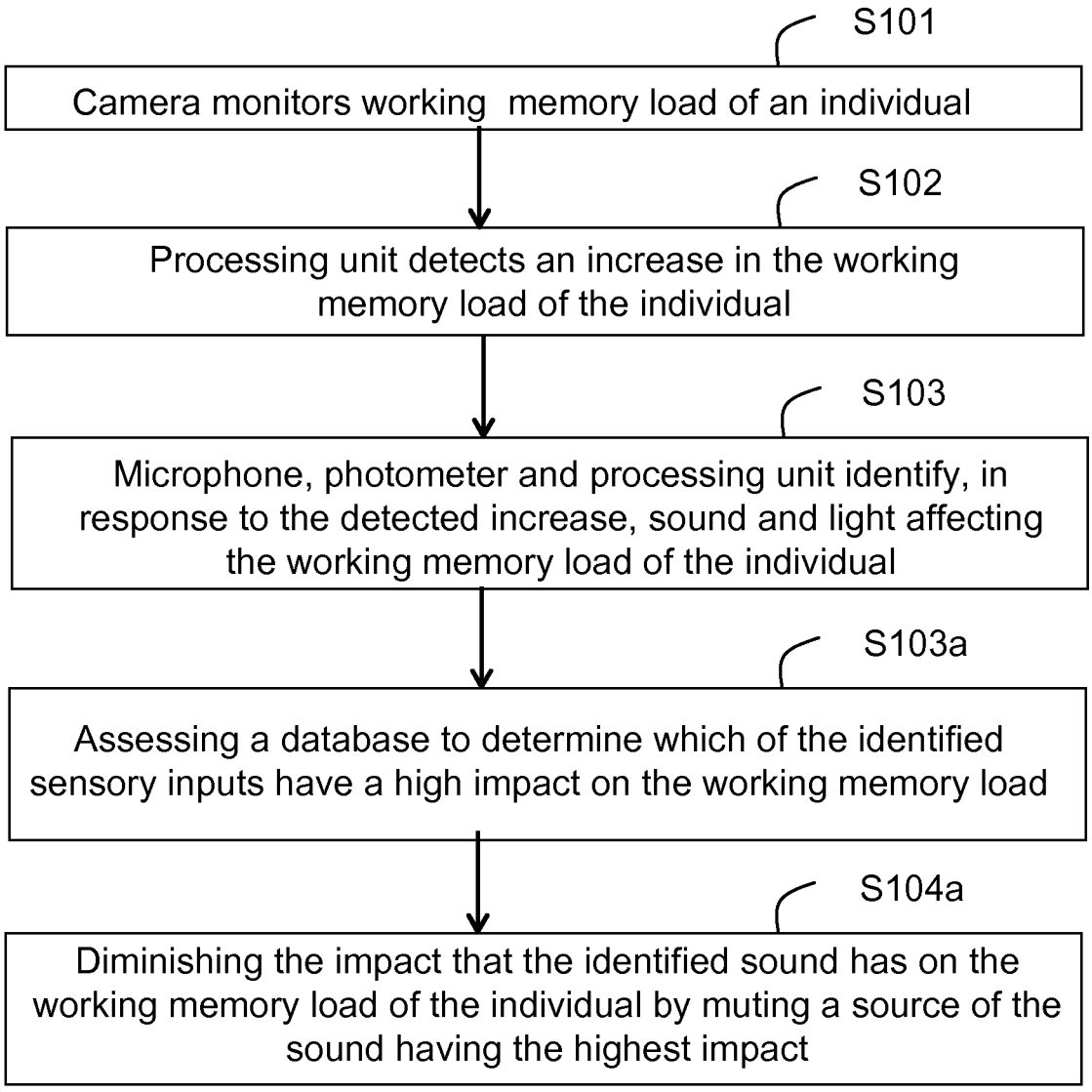
S101
Camera monitors working memory load of an individual
S102
Processing unit detects an increase in the working memory load of the individual
S103
Microphone, photometer and processing unit identify, in response to the detected increase, sound and light affecting the working memory load of the individual
S103a
Assessing a database to determine which of the identified sensory inputs have a high impact on the working memory load
S104a
Diminishing the impact that the identified sound has on the working memory load of the individual by muting a source of the sound having the highest impact

Fig. 8

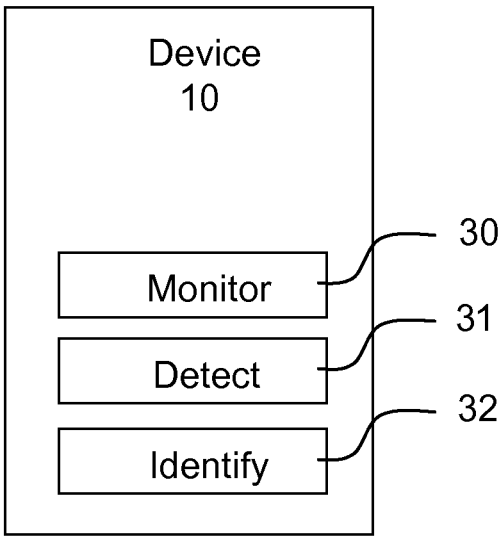
Device
10
30
Monitor
31
Detect
32
Identify

Fig. 9