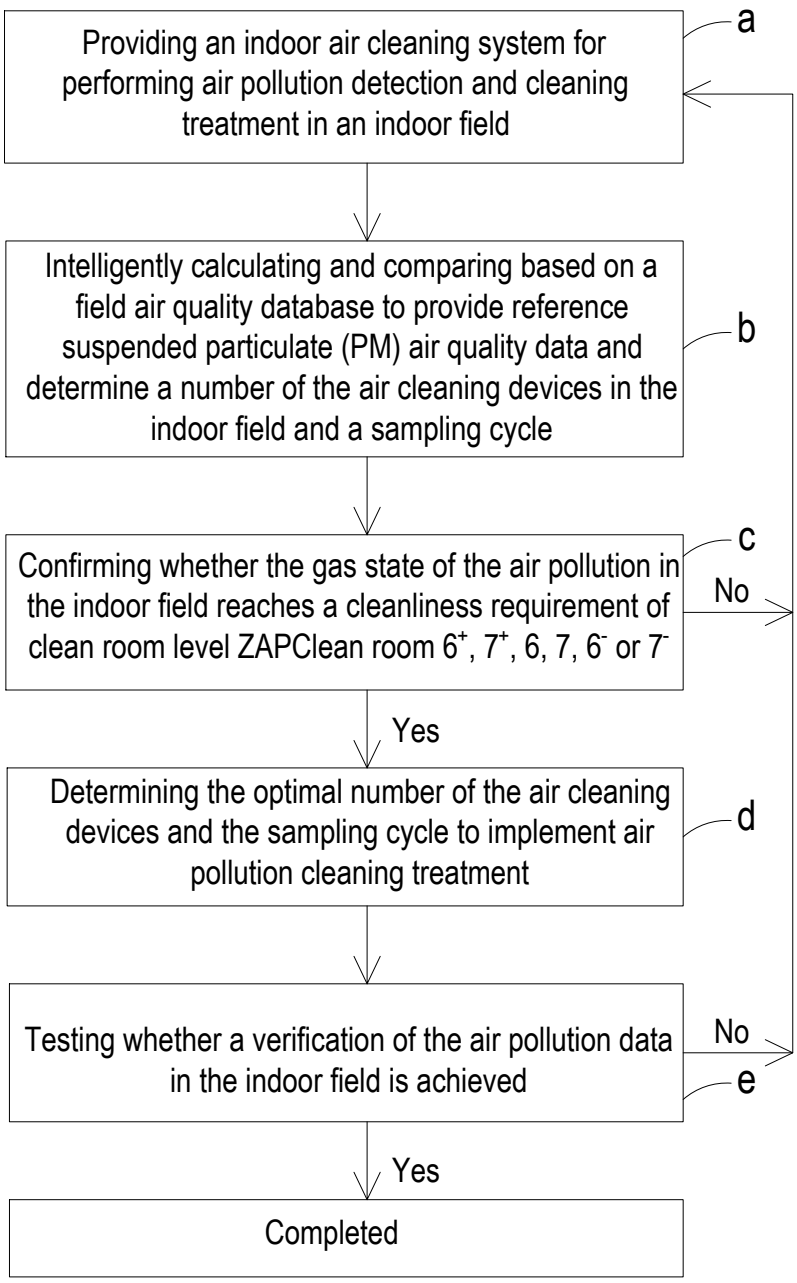

Providing an indoor air cleaning system for performing air pollution detection and cleaning treatment in an indoor field
a
Intelligently calculating and comparing based on a field air quality database to provide reference suspended particulate (PM) air quality data and determine a number of the air cleaning devices in the indoor field and a sampling cycle
b
Confirming whether the gas state of the air pollution in the indoor field reaches a cleanliness requirement of clean room level ZAPClean room 6+, 7+, 6, 7, 6- or 7-
c
No
Yes
Determining the optimal number of the air cleaning devices and the sampling cycle to implement air pollution cleaning treatment
d
Testing whether a verification of the air pollution data in the indoor field is achieved
No
e
Yes
Completed

FIG. 1

1

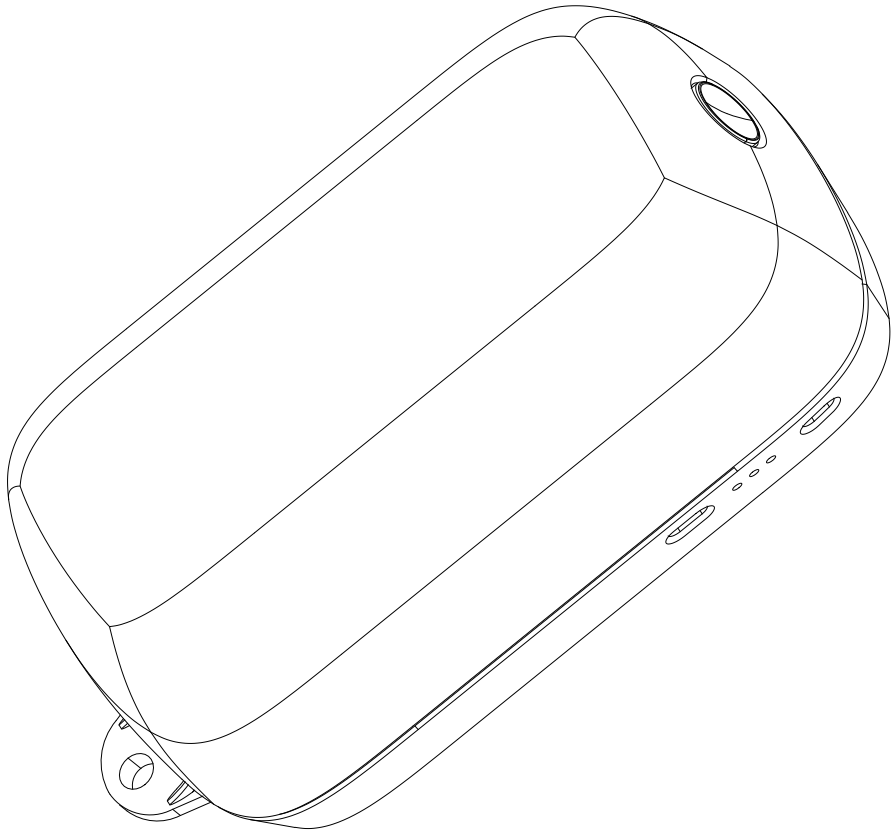


FIG. 2A

1

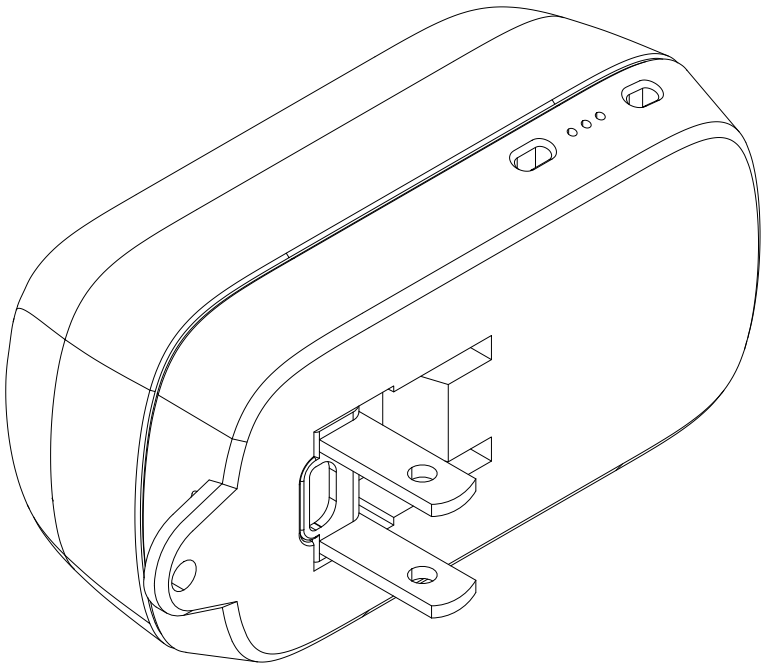


FIG. 2B

1

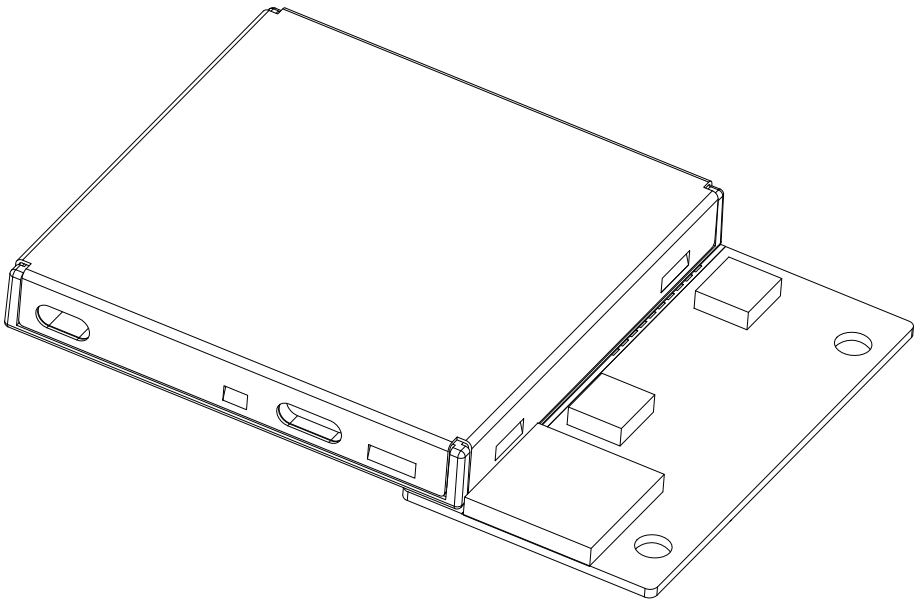


FIG. 2C

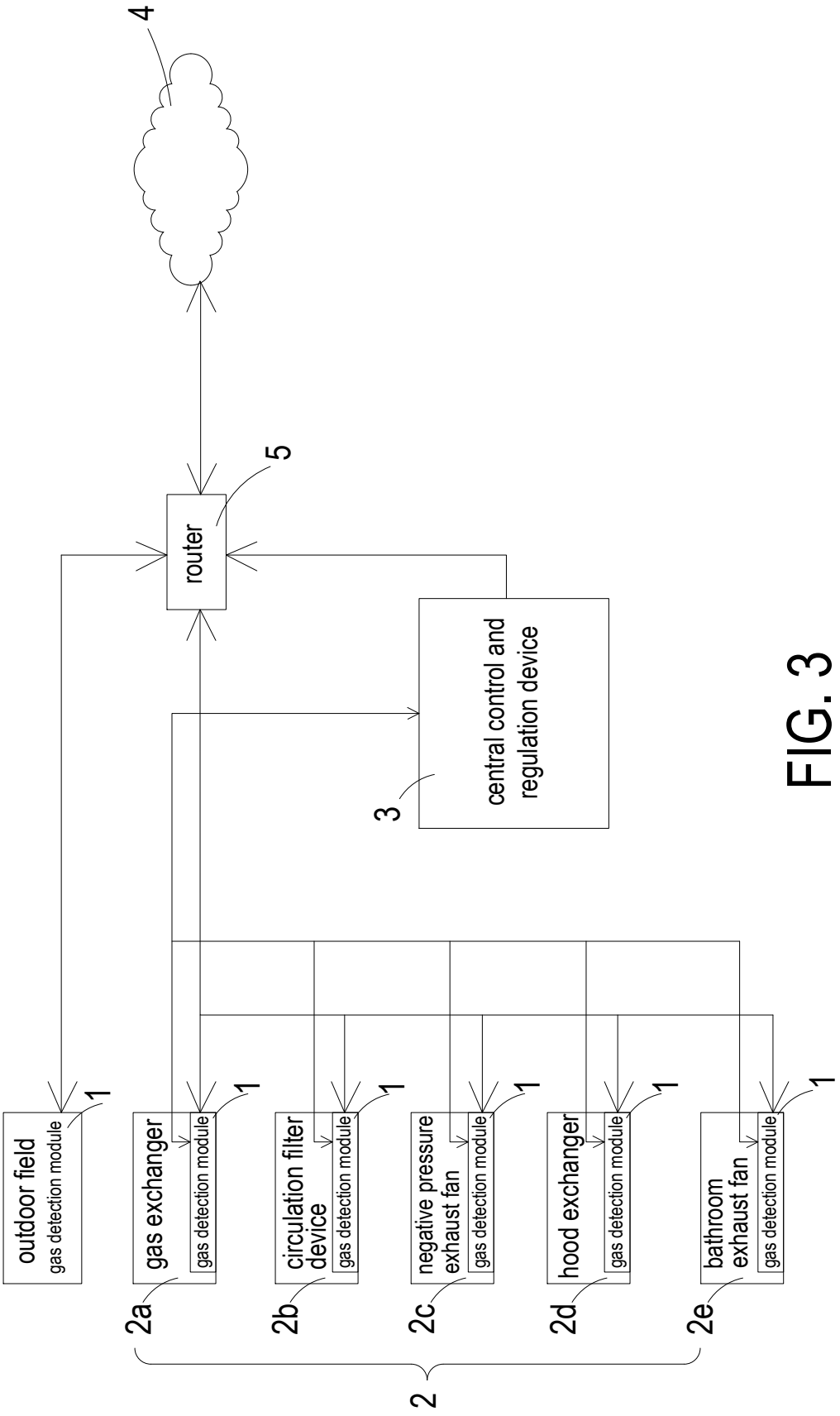

4
5
router
central control and regulation device
3
outdoor field
gas detection module
1
gas exchanger
gas detection module
circulation filter device
gas detection module
negative pressure exhaust fan
gas detection module
hood exchanger
gas detection module
bathroom exhaust fan
gas detection module
2a
2b
2c
2d
2e
2

FIG. 3

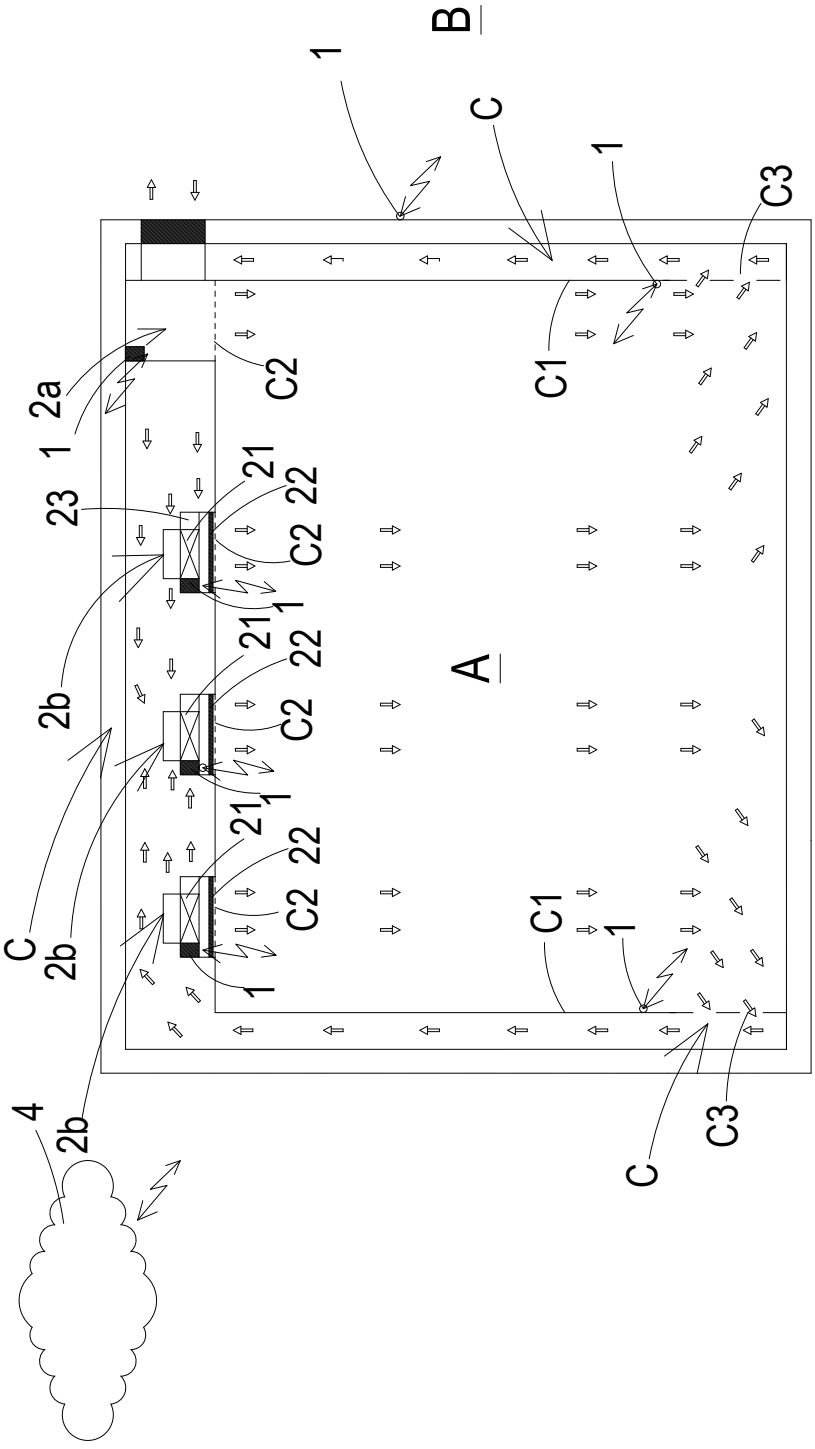

B
1
C
1
C3
2a
1
C2
C1
23
21
22
C2
1
21
22
A
2b
C2
1
21
22
C
2b
C2
C1
1
1
4
2b
C
C3

FIG. 4A

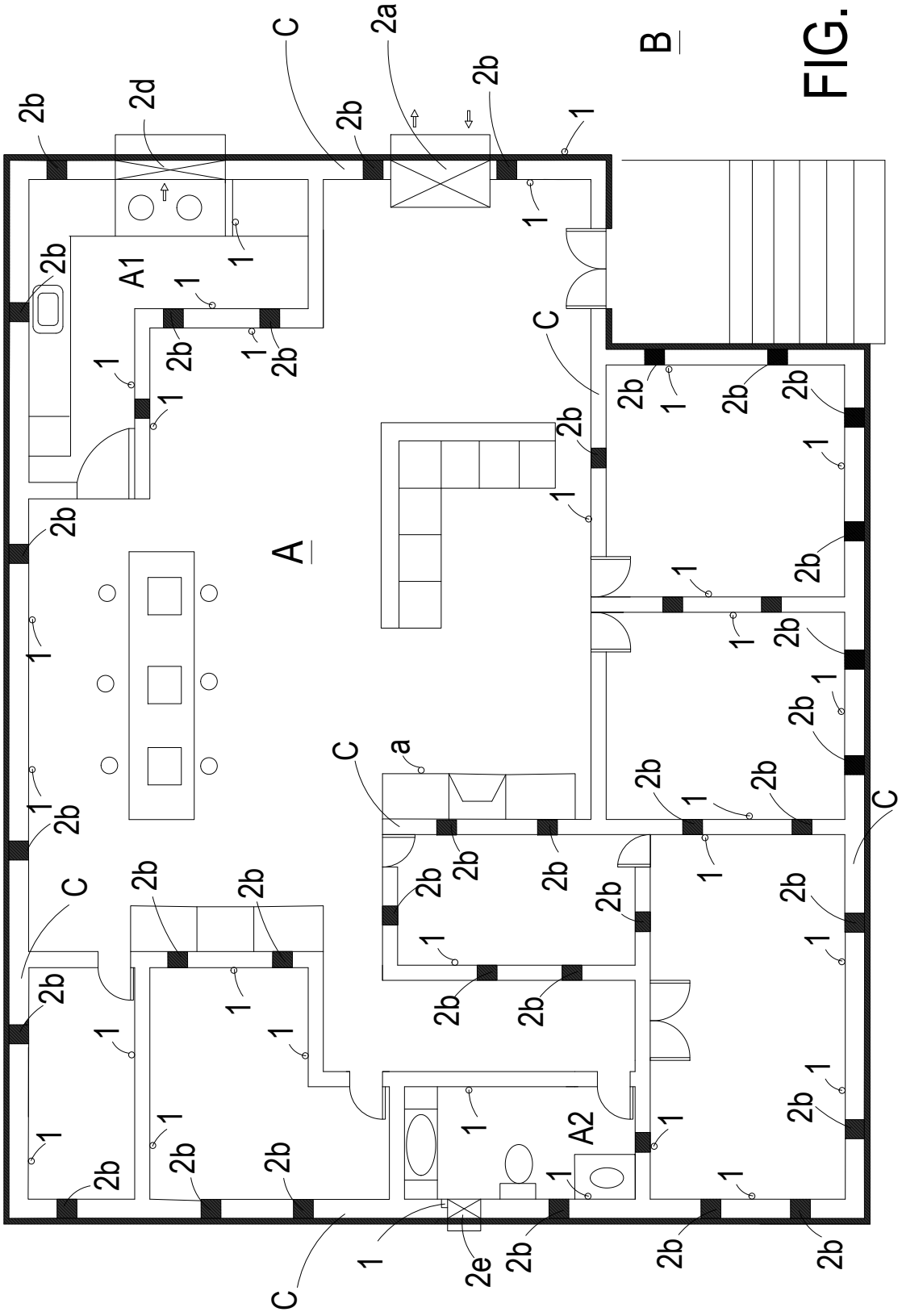


FIG. 4B

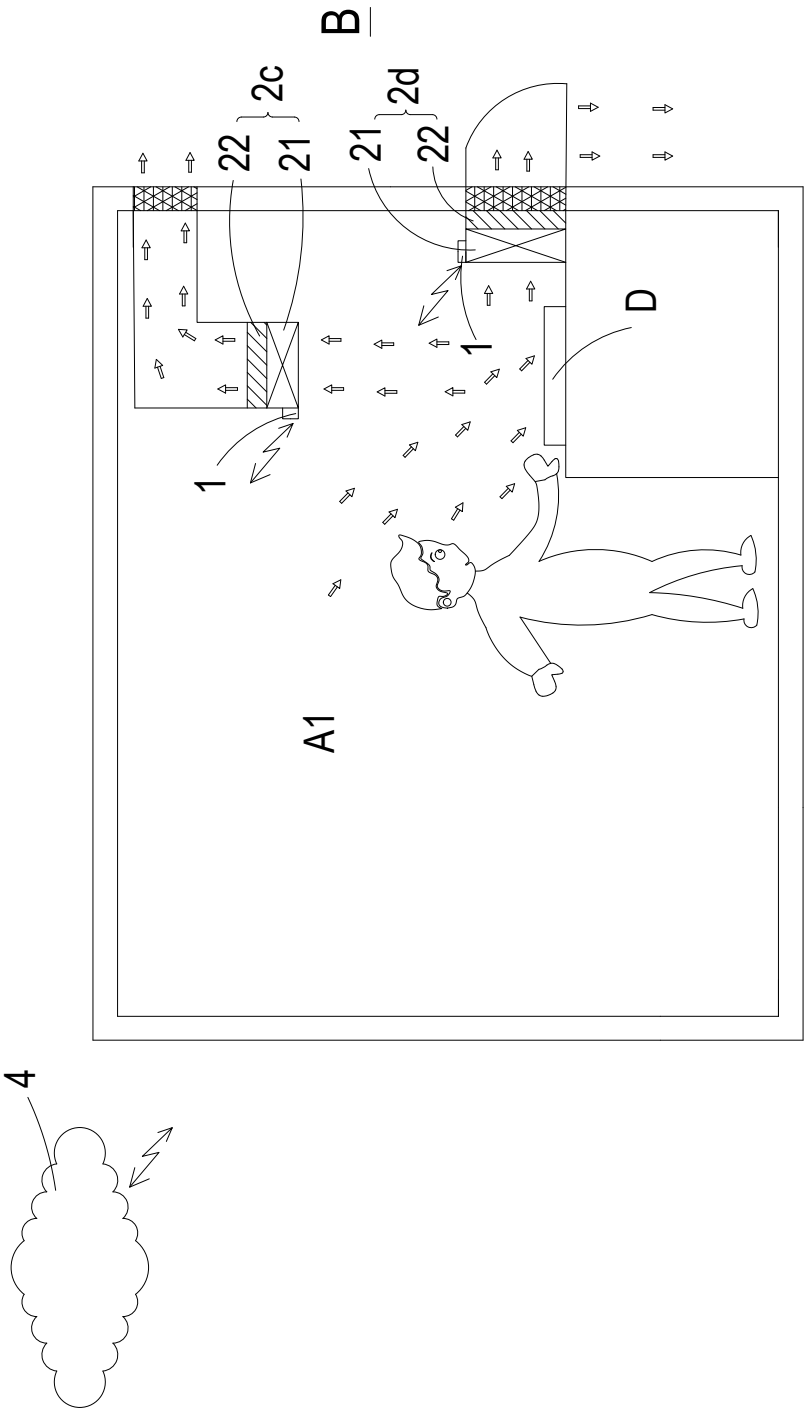


FIG. 4C

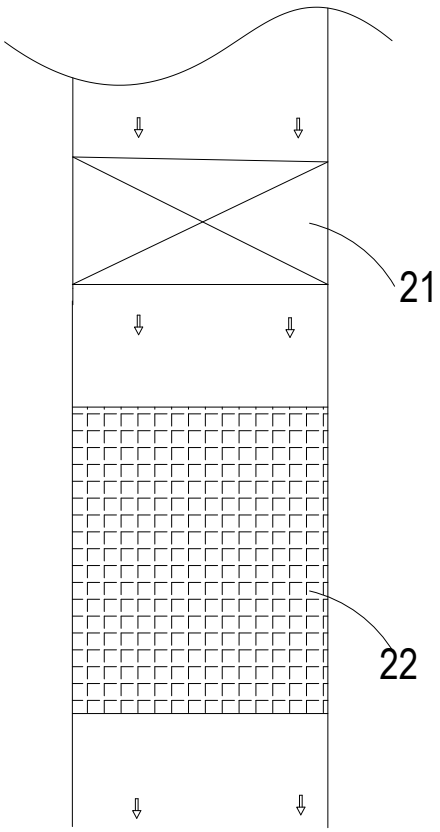


FIG. 5A

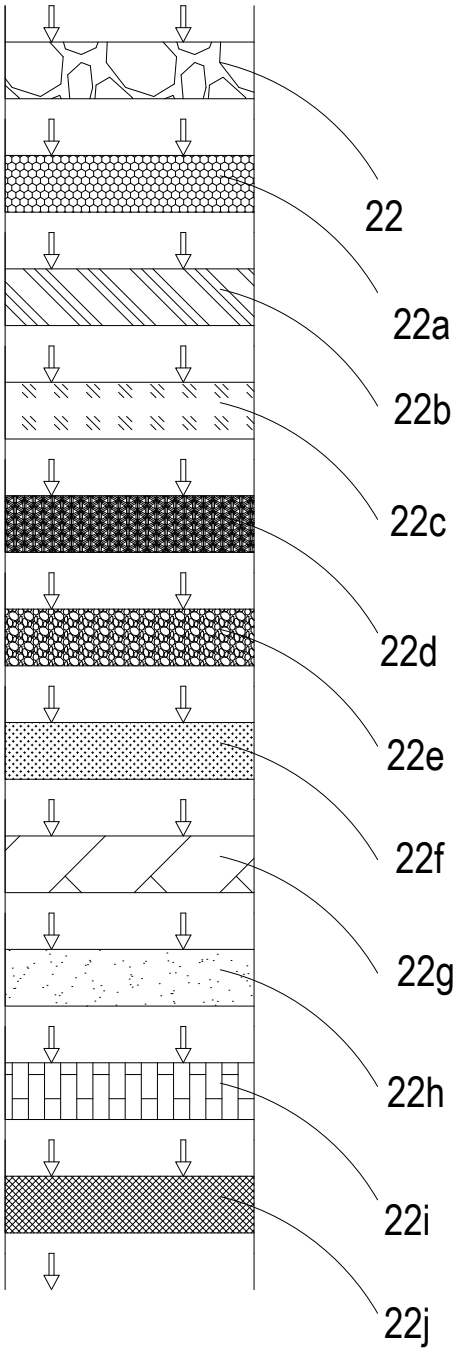


FIG. 5B