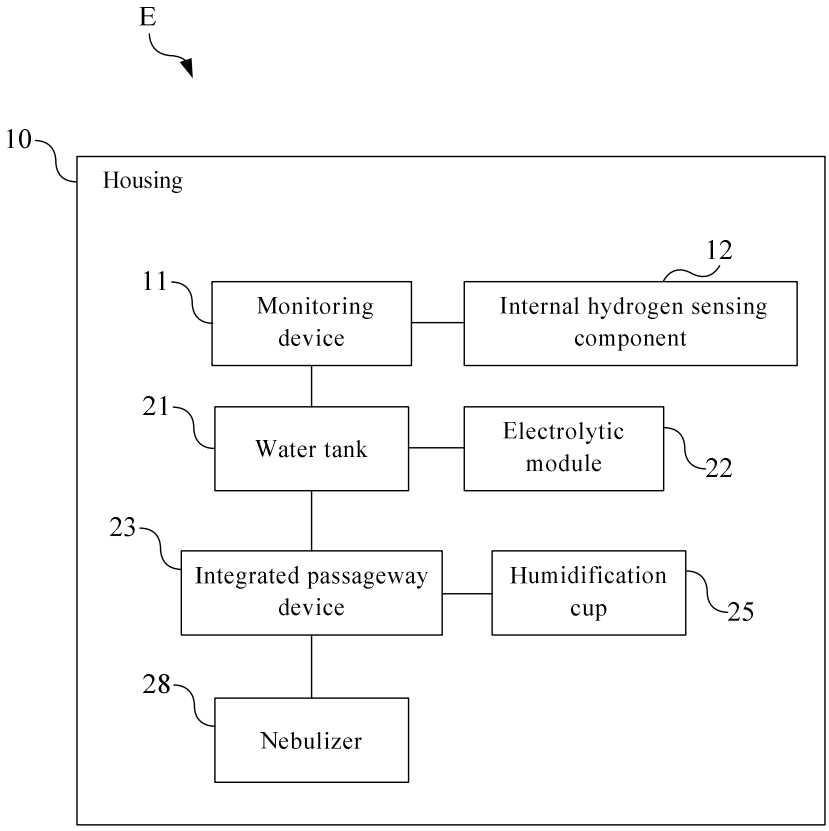

E
10
Housing
12
11
Monitoring device
Internal hydrogen sensing component
21
Water tank
Electrolytic module
22
23
Integrated passageway device
Humidification cup
25
28
Nebulizer

FIG. 1

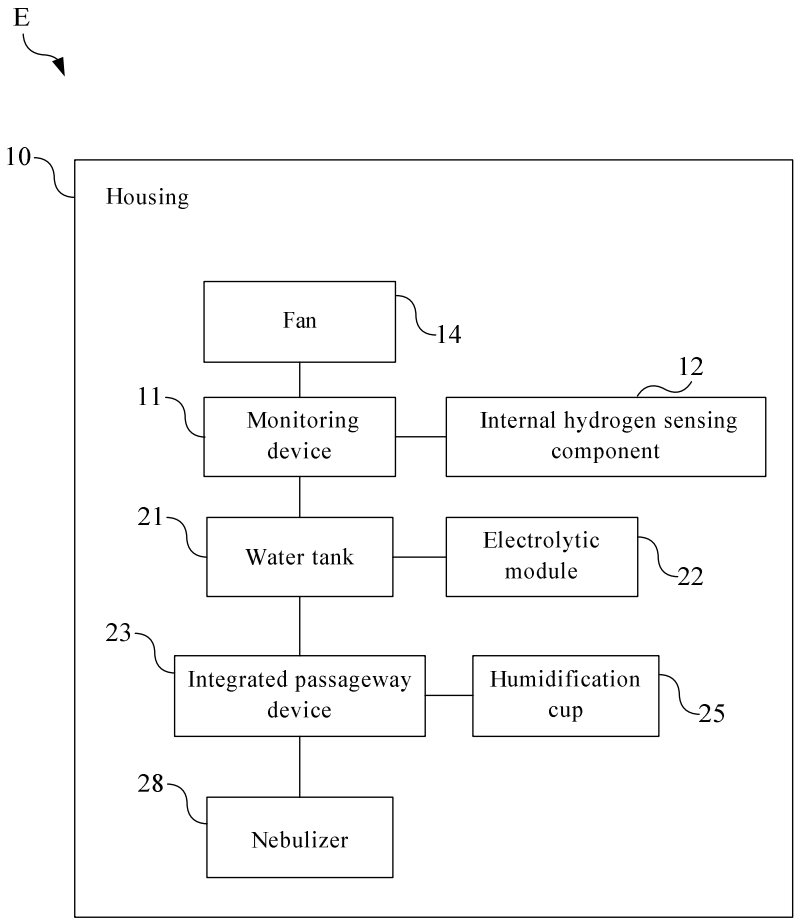

E
10
Housing
Fan
14
12
11
Monitoring device
Internal hydrogen sensing component
21
Water tank
Electrolytic module
22
23
Integrated passageway device
Humidification cup
25
28
Nebulizer

FIG. 2

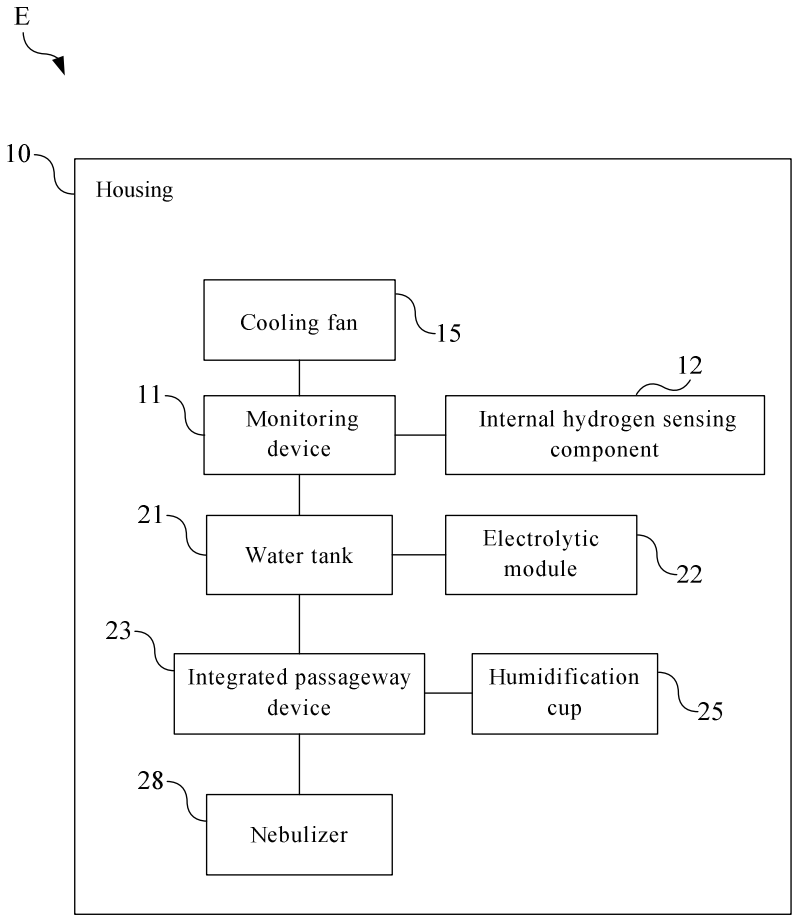

E
10
Housing
Cooling fan
15
12
11
Monitoring device
Internal hydrogen sensing component
21
Water tank
Electrolytic module
22
23
Integrated passageway device
Humidification cup
25
28
Nebulizer

FIG. 3

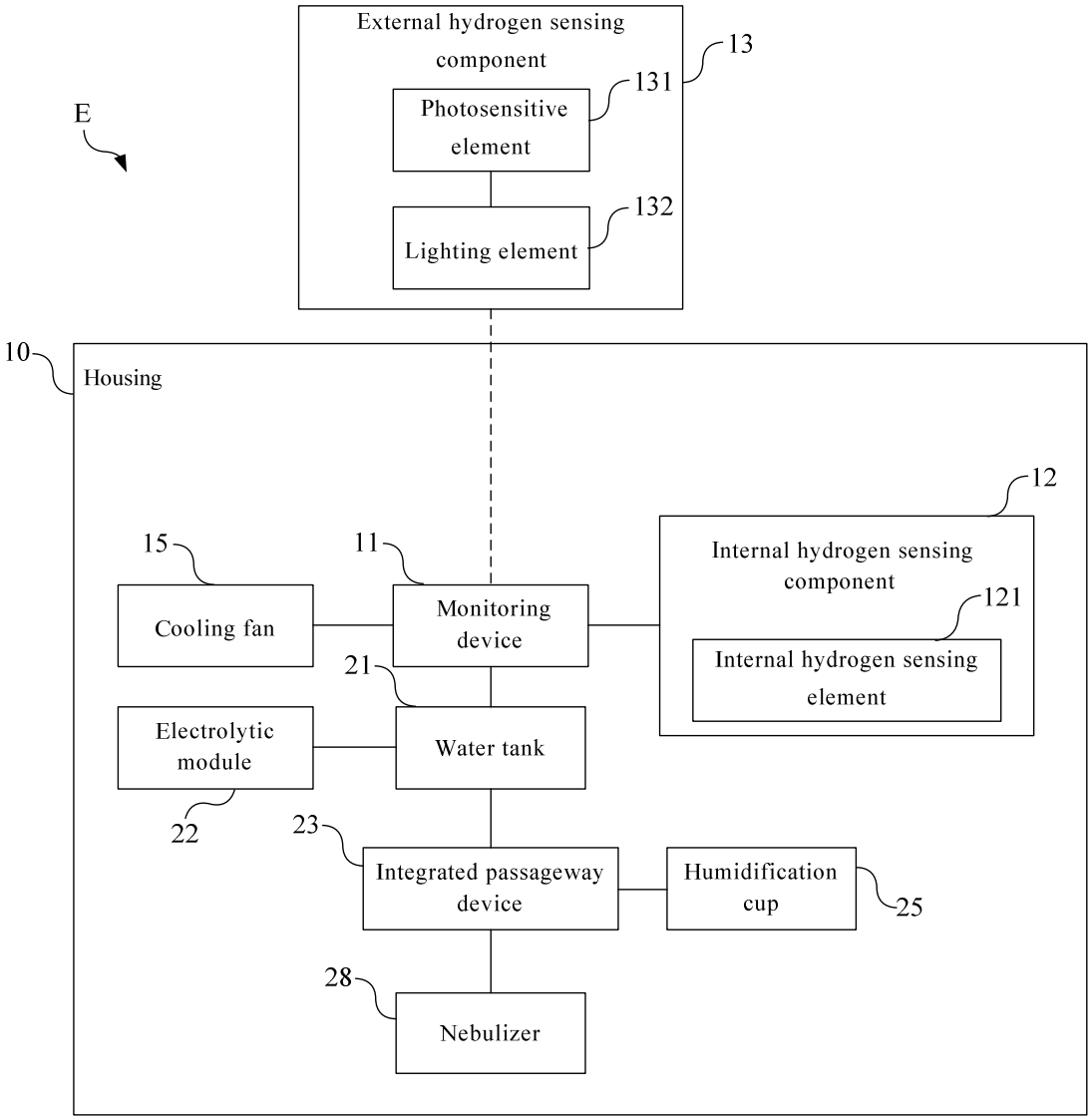

External hydrogen sensing component
13
131
Photosensitive element
132
Lighting element
E
10
Housing
12
15
11
Internal hydrogen sensing component
121
Cooling fan
Monitoring device
Internal hydrogen sensing element
21
Electrolytic module
Water tank
22
23
Integrated passageway device
Humidification cup
25
28
Nebulizer

FIG. 4

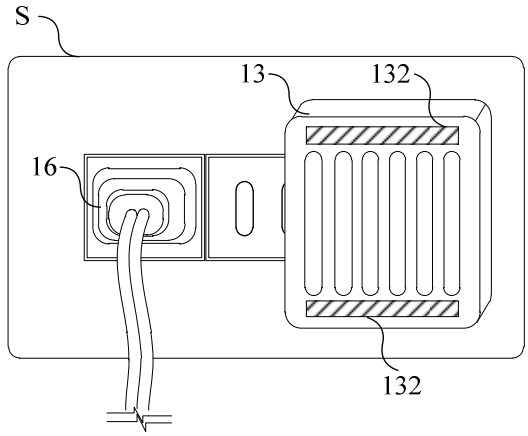


FIG. 5A

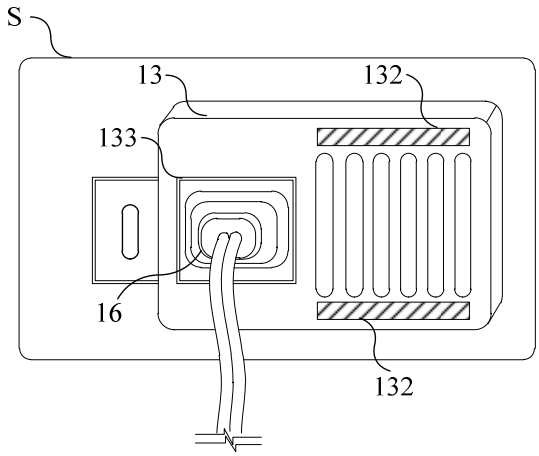


FIG. 5B

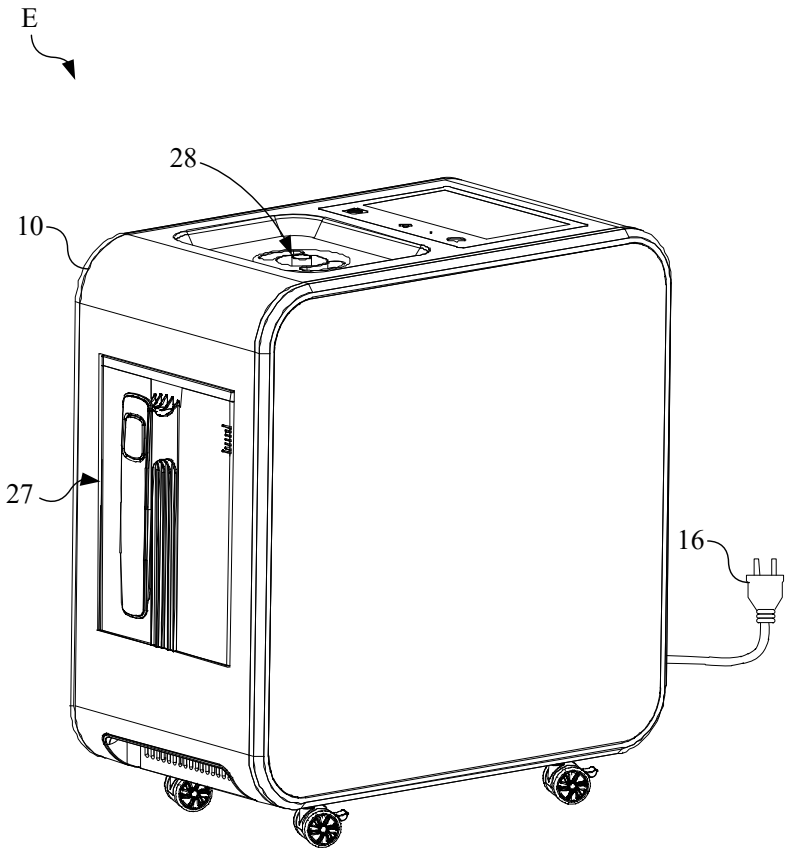


FIG. 6

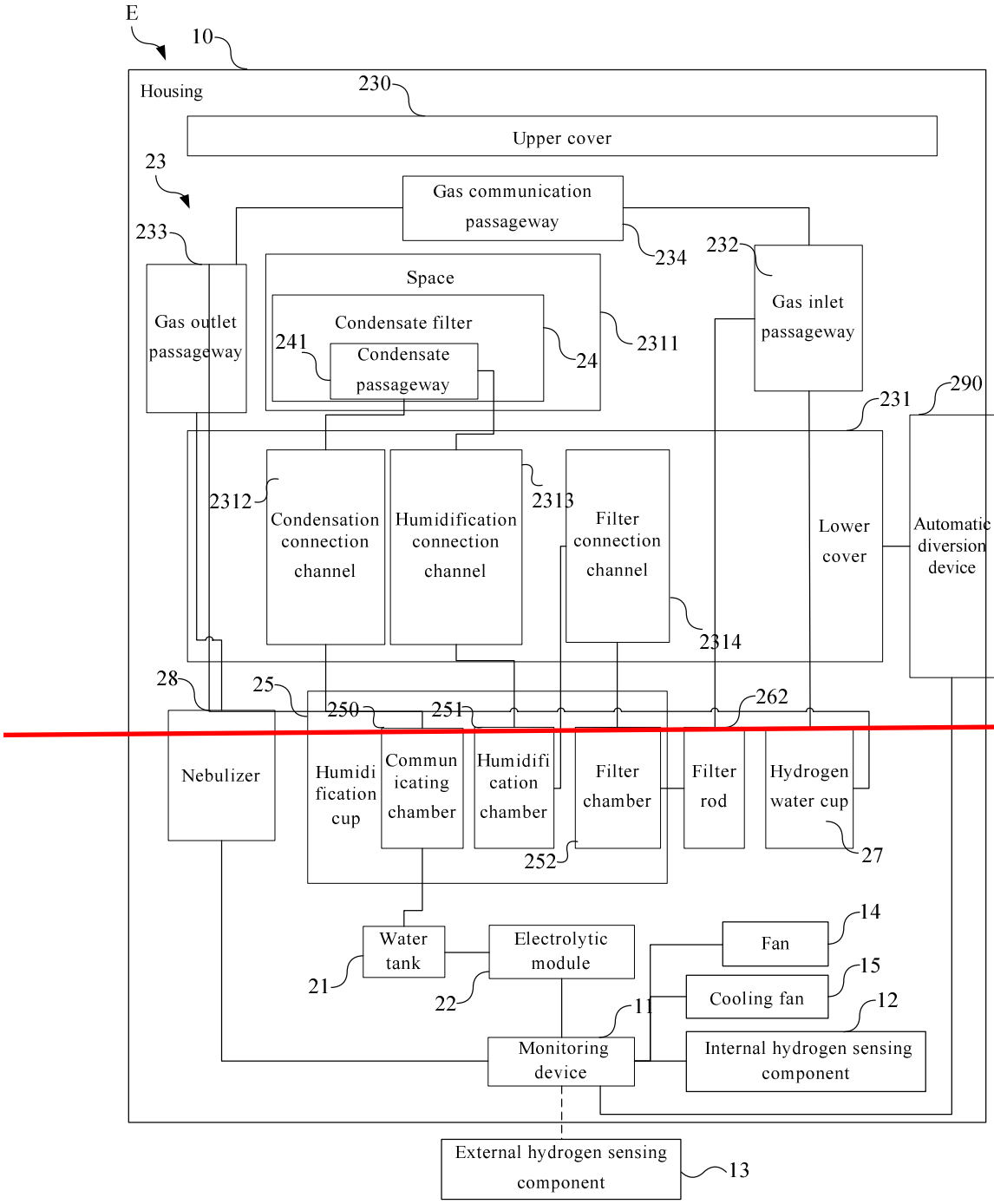

E
10
Housing
230
Upper cover
23
Gas communication passageway
233
234
232
Space
Gas outlet passageway
Condensate filter
241
Condensate passageway
24
2311
Gas inlet passageway
231
290
2312
Condensation connection channel
Humidification connection channel
2313
Filter connection channel
2314
Lower cover
Automatic diversion device
28
25
250
251
262
Nebulizer
Humidification cup
Communicating chamber
Humidification chamber
Filter chamber
Filter rod
Hydrogen water cup
252
27
14
Water tank
Electrolytic module
Fan
21
22
15
Cooling fan
11
12
Monitoring device
Internal hydrogen sensing component
External hydrogen sensing component
13

FIG. 7A

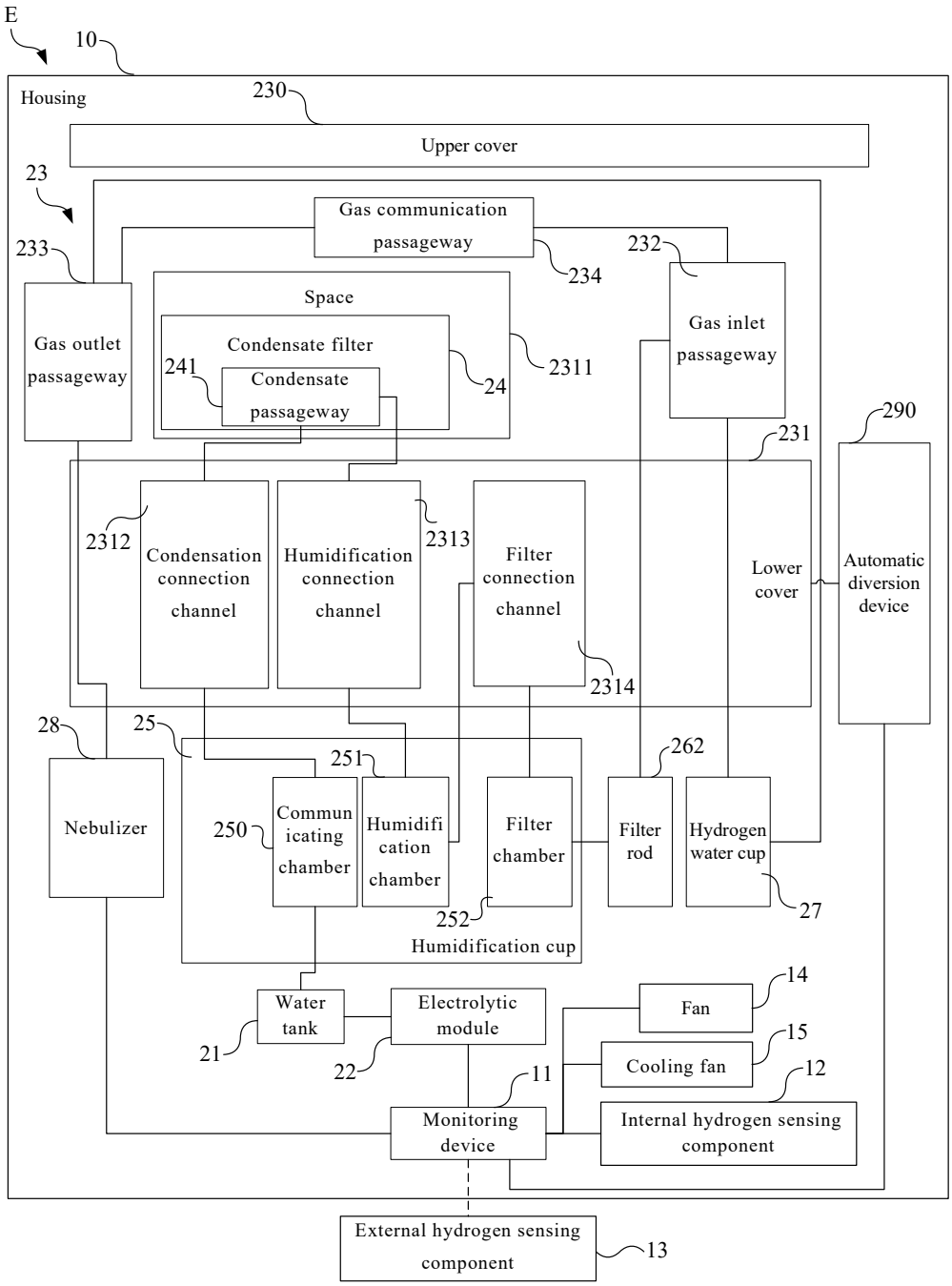

E
10
Housing
230
Upper cover
23
Gas communication passageway
234
232
233
Space
Gas outlet passageway
Condensate filter
241
Condensate passageway
24
2311
Gas inlet passageway
290
231
2312
Condensation connection channel
Humidification connection channel
2313
Filter connection channel
2314
Lower cover
Automatic diversion device
28
25
251
262
Nebulizer
250
Communicating chamber
Humidification chamber
Filter chamber
Filter rod
Hydrogen water cup
27
252
Humidification cup
14
Water tank
Electrolytic module
Fan
21
22
15
Cooling fan
11
12
Monitoring device
Internal hydrogen sensing component
External hydrogen sensing component
13

FIG. 7A

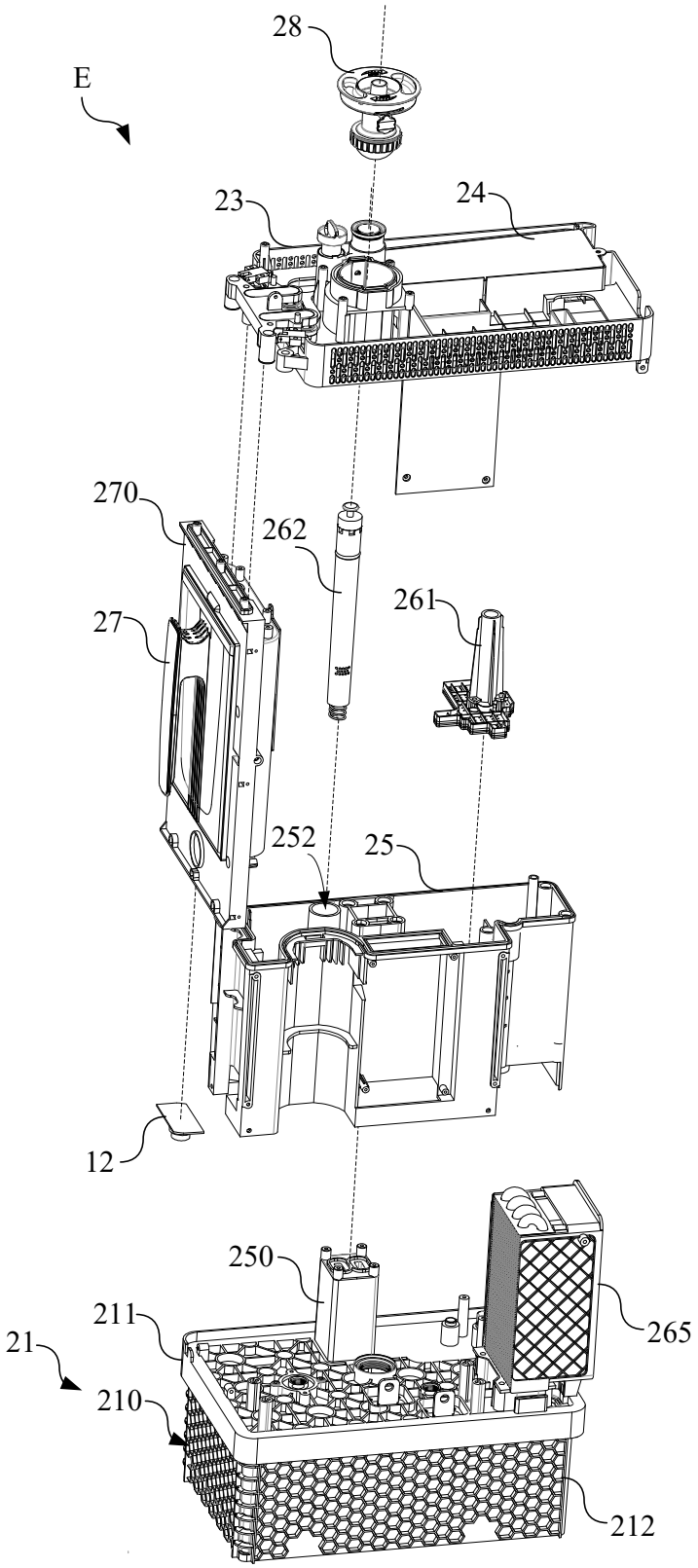


FIG. 7B

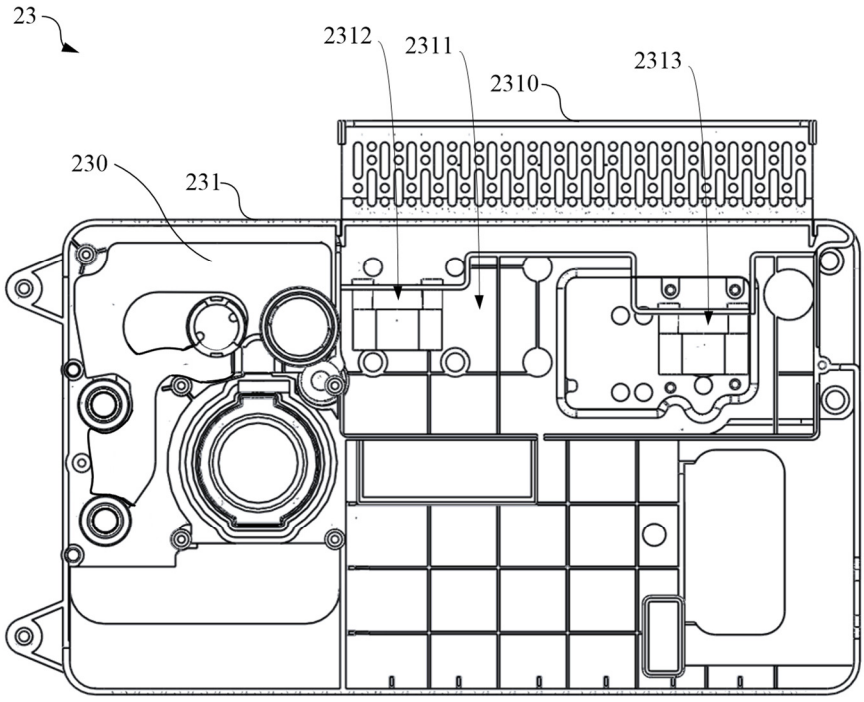


FIG. 8A

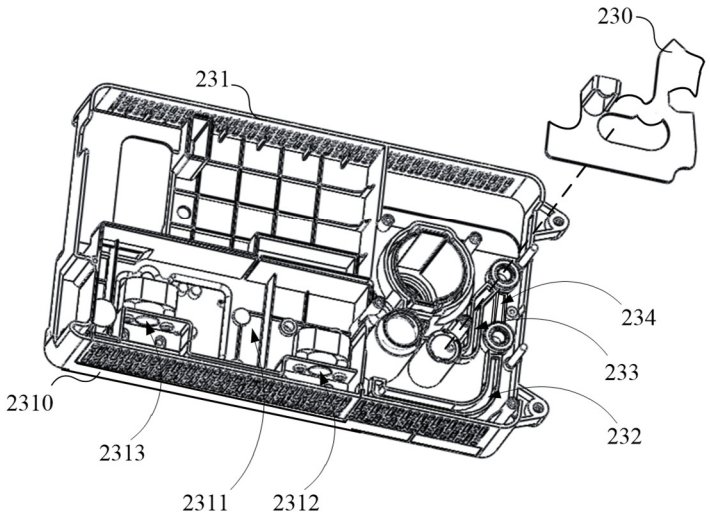


FIG. 8B

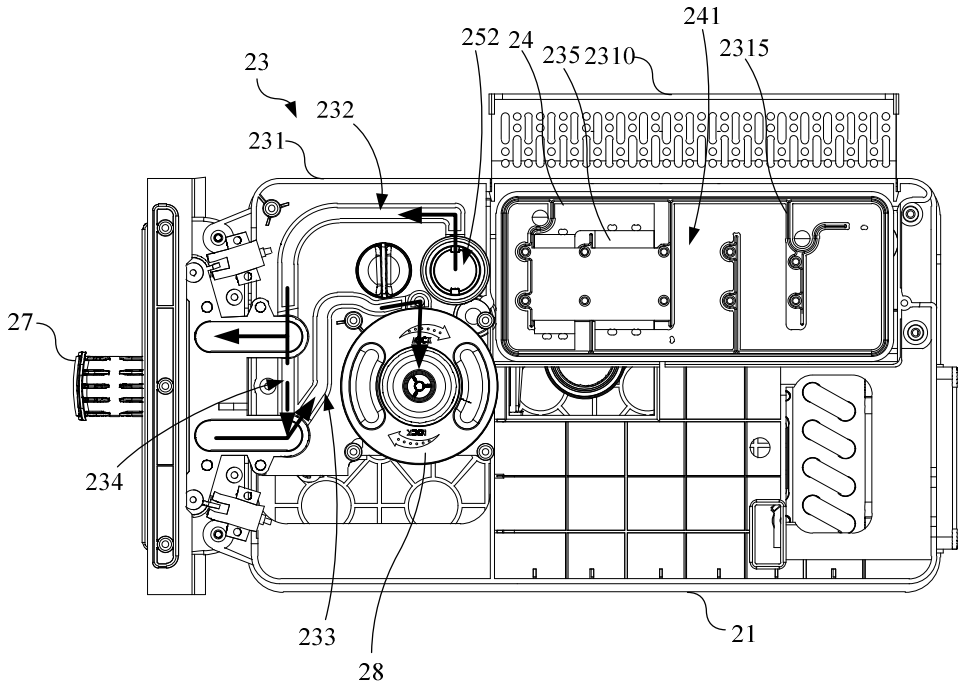


FIG. 9

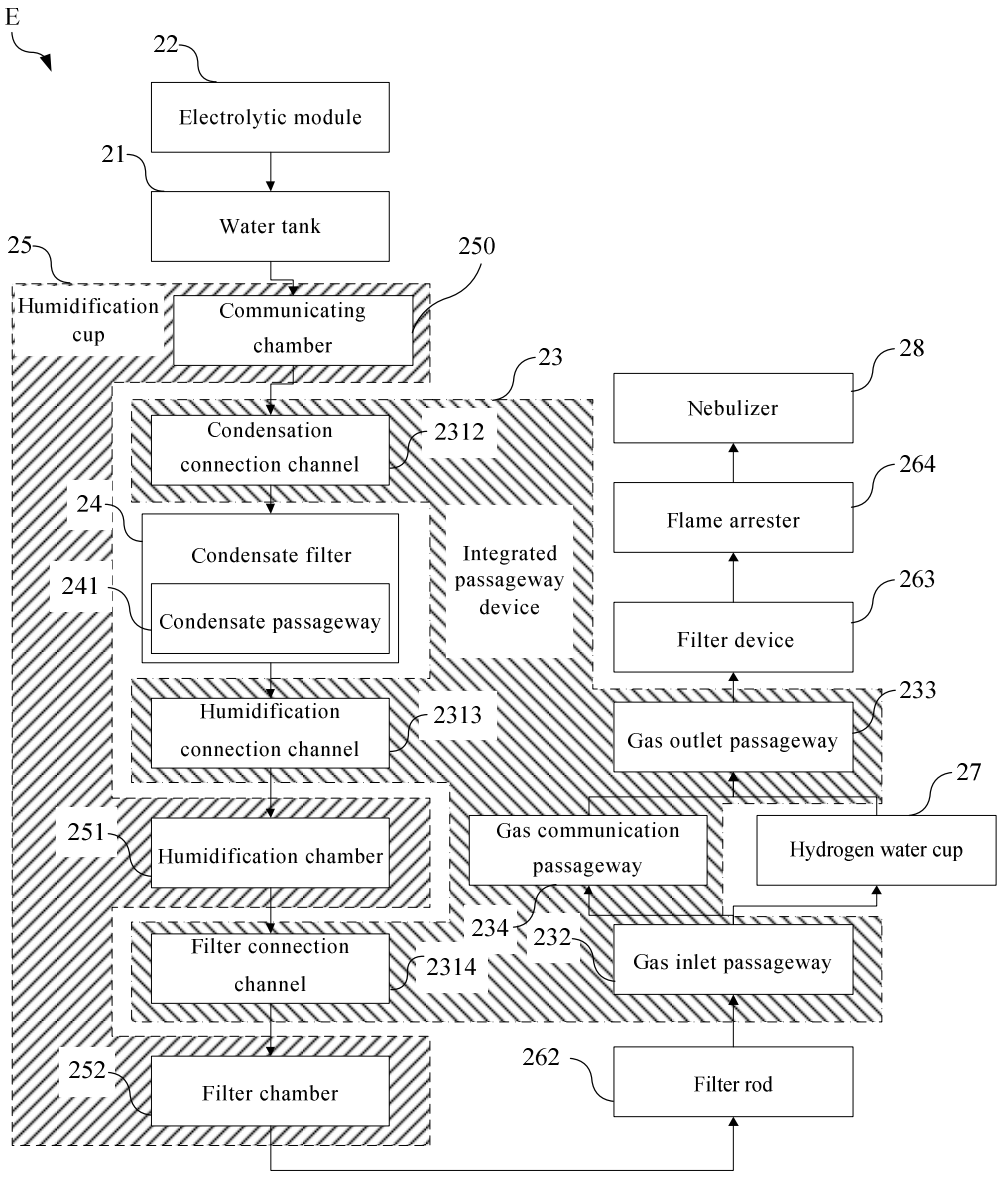

E
22
Electrolytic module
21
Water tank
25
Humidification cup
250
Communicating chamber
23
Condensation connection channel
2312
24
Condensate filter
241
Condensate passageway
Integrated passageway device
Humidification connection channel
2313
251
Humidification chamber
Filter connection channel
2314
252
Filter chamber
Nebulizer
28
Flame arrester
264
Filter device
263
Gas outlet passageway
233
Gas communication passageway
27
Hydrogen water cup
234
232
Gas inlet passageway
262
Filter rod

FIG. 10

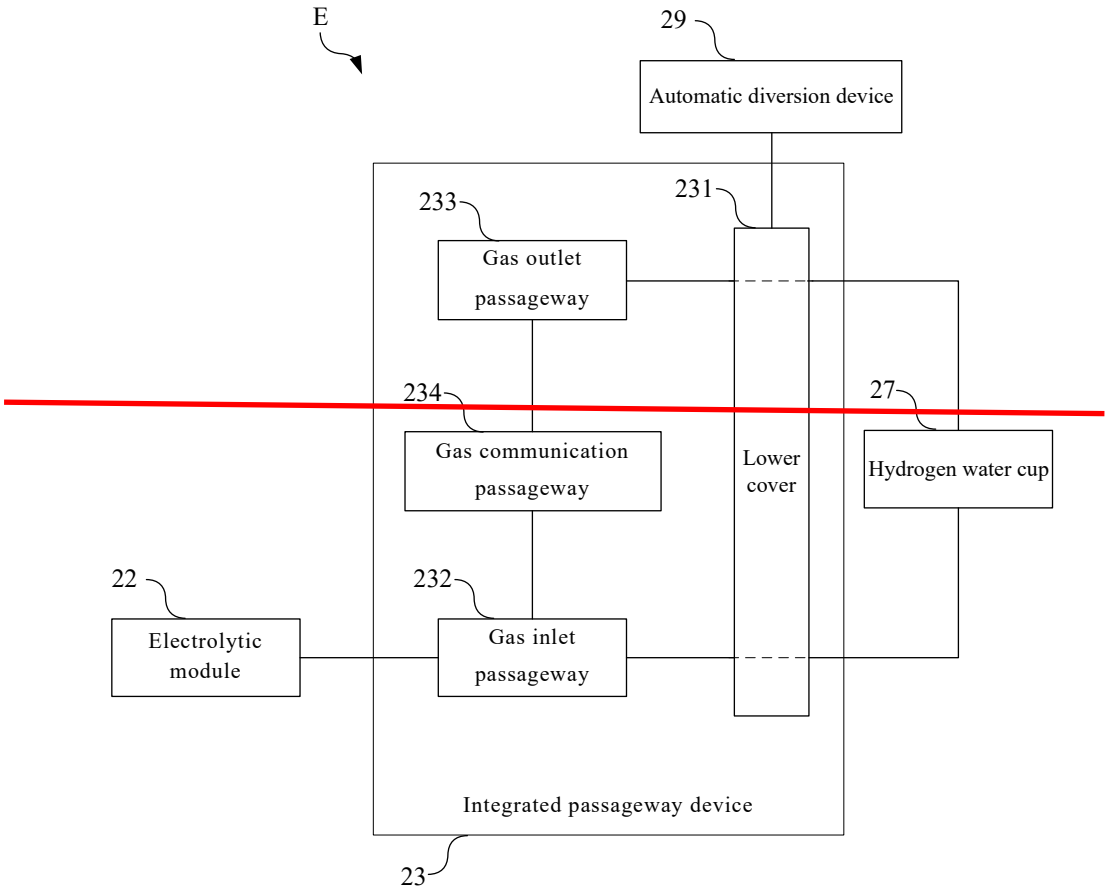

E
29
Automatic diversion device
231
233
Gas outlet passageway
234
Gas communication passageway
Lower cover
27
Hydrogen water cup
22
Electrolytic module
232
Gas inlet passageway
Integrated passageway device
23

FIG. 11

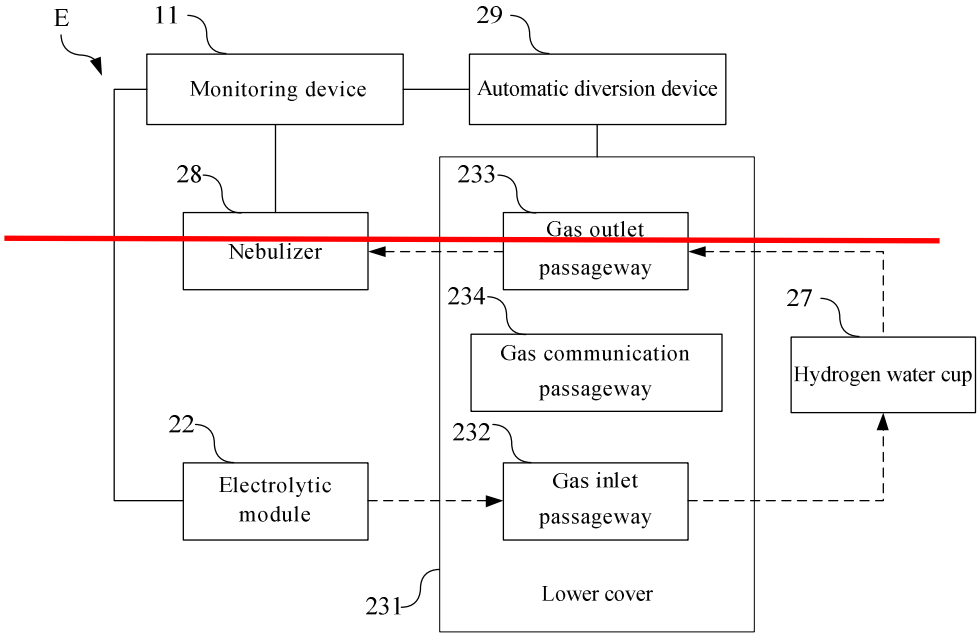


FIG. 12A

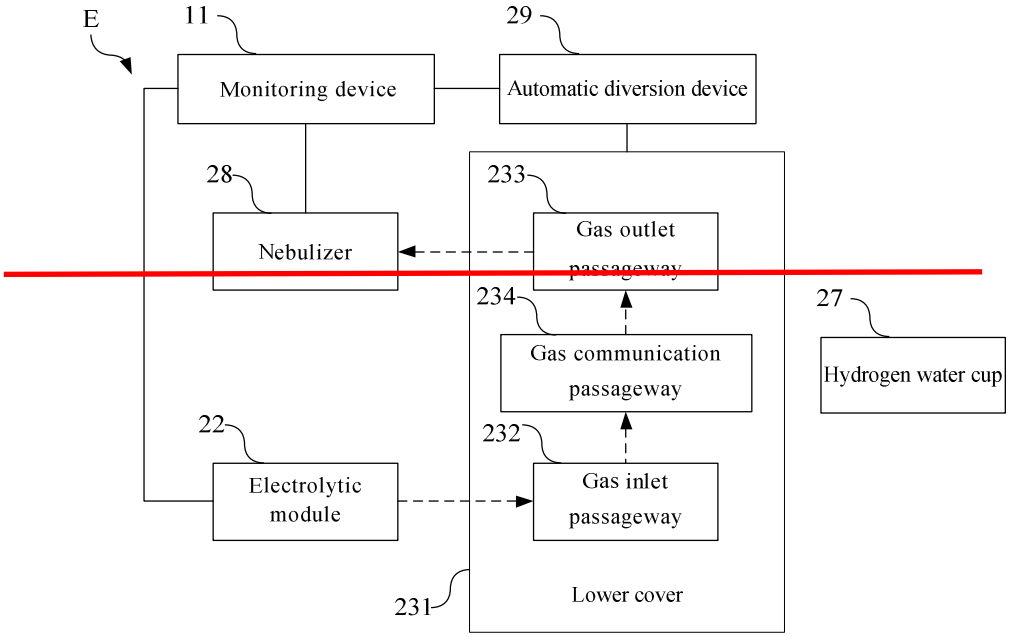


FIG. 12B