Claims

1. A mixed gas generating system, comprising:

a hydrogen gas generating device, further comprising:

an electrolytic cell configured to generate a hydrogen gas when electrolyzing water;

an integrated flow channel device coupled to the electrolytic cell;

a condensing filter engaged with the integrated flow channel device and configured to filter the hydrogen gas generated by the electrolytic cell;

a humidification cup engaged with the integrated flow channel device and configured to humidify the hydrogen gas; and

a hydrogen water cup engaged with the integrated flow channel device and configured to accommodate water and receive the hydrogen gas; wherein the hydrogen gas flows into the hydrogen water cup to be mixed with the water contained in the hydrogen water cup to form a hydrogen water; and

an oxygen gas generator configured to generate a first oxygen gas;

wherein the hydrogen gas and the first oxygen gas are mixed to each other to form a mixed gas.

2. The mixed gas generating system of claim 1, wherein the oxygen gas generator is configured outside of the hydrogen gas generating device, the oxygen gas generator comprises an oxygen gas conduit coupled to the hydrogen gas generating device to input the first oxygen gas into the hydrogen gas generating device, so as to mix the hydrogen gas and the first oxygen gas to form the mixed gas.

3. The mixed gas generating system of claim 1, wherein the oxygen gas generator comprises a molecular sieve filtering unit configured to filter an air to generate

the first oxygen gas.

4. The mixed gas generating system of claim 1, further comprising a gas mixing tube coupled to the hydrogen gas generating device and the oxygen gas generator to receive the hydrogen gas and the first oxygen gas, so as to mix the hydrogen gas and the first oxygen gas to form the mixed gas.

5. The mixed gas generating system of claim 4, wherein the gas mixing tube is integrated in the integrated water tank module of the hydrogen gas generating device.

6. The mixed gas generating system of claim 4, wherein the gas mixing tube and the oxygen gas generator are configured outside of the hydrogen gas generating device.

7. The mixed gas generating system of claim 4, further comprising a backfire preventer configured between the oxygen gas generator and the gas mixing tube.

8. The mixed gas generating system of claim 1, wherein the hydrogen gas generating device further comprises an atomization/volatile gas mixing tank and a flame arrester, the atomization/volatile gas mixing tank is coupled to the integrated water tank module to receive the hydrogen gas from the integrated water tank module, the atomization/volatile gas mixing tank selectively generates an atomized gas to be mixed with the hydrogen gas, wherein the atomized gas is one or a combination selected from a group consisting of a water vapor, anatomized drops, and an essential oils, the flame arrester is coupled to an entrance of the atomization/volatile gas mixing tank.

9. A mixed gas generating system, comprising:

a hydrogen gas generating device, further comprising:

an electrolytic cell configured to generate a hydrogen gas and a second oxygen gas when electrolyzing water; and

an integrated water tank module comprising a hydrogen gas port, an

oxygen gas port and a water port coupled to the electrolytic cell, the integrated water tank module being configured to receive the hydrogen gas and the second oxygen gas from the electrolytic cell and supply water to the electrolytic cell; and

a breathing tube coupled to an oxygen gas generator and configured to receive a first oxygen gas generated by the oxygen gas generator configured outside of the hydrogen generating device;

wherein the hydrogen gas and the first oxygen gas are mixed to each other to form a mixed gas.

10. The mixed gas generating system of claim 9, further comprising a gas mixing tube coupled to the breathing tube to mix the hydrogen gas and the first oxygen gas to form the mixed gas.

11. The mixed gas generating system of claim 10, wherein the gas mixing tube is integrated in the integrated water tank module of the hydrogen gas generating device.

12. The mixed gas generating system of claim 10, wherein the gas mixing tube is configured outside of the hydrogen gas generating device.

13. The mixed gas generating system of claim 9, further comprising a backfire preventer configured in the breathing tube.

14. The mixed gas generating system of claim 9, wherein the hydrogen gas generating device further comprises an atomization/volatile gas mixing tank and a flame arrester, the atomization/volatile gas mixing tank is coupled to the integrated water tank module to receive the hydrogen gas from the integrated water tank module, the atomization/volatile gas mixing tank selectively generates an atomized gas to be mixed with the hydrogen gas, wherein the atomized gas is one or a combination selected from a group consisting of a water vapor, anatomized drops, and an essential oils, the flame arrester is coupled to an entrance of the atomization/volatile gas mixing tank.

15. The mixed gas generating system of claim 9, wherein the electrolytic cell further comprises a cathode chamber, a hydrogen gas output duct, an anode chamber, an oxygen gas output duct, a water input duct and an ion membrane, the cathode chamber is located on a first side of the electrolytic cell, the anode chamber is located on a second side of the electrolytic cell, and the ion membrane is disposed between the anode chamber and the cathode chamber, the oxygen gas output duct is coupled to the oxygen gas port, the hydrogen gas output duct is coupled to the hydrogen gas port, and the water input duct is coupled to the water port, the anode chamber generates the second oxygen gas and the cathode chamber generates the hydrogen gas when the electrolytic cell electrolyzes water, the oxygen gas output duct is coupled with the anode chamber and penetrates the second side to output the second oxygen gas at the second side, the hydrogen gas output duct is coupled with the cathode chamber and extends toward the second side and penetrates the second side to output the hydrogen gas at the second side, so as to cause the hydrogen gas and the second oxygen gas to be outputted at the same side of the electrolytic cell.

16. A mixed gas generating system, comprising:

a hydrogen gas generating device, further comprising:

an electrolytic cell configured to generate a hydrogen gas when electrolyzing water;

an integrated flow channel device coupled to the electrolytic cell;

a condensing filter engaged with the integrated flow channel device, the condensing filter being configured to filter the hydrogen gas generated by the electrolytic cell; and

a humidification cup engaged with the integrated flow channel device, the humidification cup being configured to humidify the hydrogen gas; and

a breathing tube coupled to an oxygen gas generator and configured to receive

a first oxygen gas generated by the oxygen gas generator which is configured outside of the hydrogen generating device;

wherein, the hydrogen gas and the first oxygen gas are mixed with each other to form a mixed gas.

17. The mixed gas generating system claim 16, further comprising a gas mixing tube coupled to the hydrogen gas generating device and the oxygen gas generator to receive the hydrogen gas and the first oxygen gas, so as to mix the hydrogen gas and the first oxygen gas to form the mixed gas.

18. The mixed gas generating system claim 16, wherein the gas mixing tube is integrated in the integrated water tank module of the hydrogen gas generating device.

19. The mixed gas generating system claim 10, wherein the gas mixing tube is configured outside of the hydrogen gas generating device.

20. The mixed gas generating system claim 9, further comprising a backfire preventer configured between the oxygen gas generator and the gas mixing tube.

21. The mixed gas generating system claim 9, wherein the hydrogen gas generating device further comprises an atomization/volatile gas mixing tank and a flame arrester, the atomization/volatile gas mixing tank is coupled to the integrated water tank module to receive the hydrogen gas from the integrated water tank module, the atomization/volatile gas mixing tank selectively generates an atomized gas to be mixed with the hydrogen gas, wherein the atomized gas is one or a combination selected from a group consisting of a water vapor, anatomized drops, and an essential oils, the flame arrester is coupled to an entrance of the atomization/volatile gas mixing tank.