What is claimed is:

1. A carbon removal device, comprising:

a hydrogen storage case storing and outputting hydrogen gas with an hydrogen outlet end;

a first pipe being the hydrogen outlet end of the hydrogen storage case;

a second pipe;

a flow controller connecting with the first and the second pipe;

a control unit being electrically connected to the flow controller;

wherein the second pipe is ~~used~~ configured to connect and communicate with an interior of a device awaiting decarbonization, ~~according to different sizes of cylinders of the device awaiting decarbonization,~~ the control unit is ~~utilized~~ configured to output ~~corresponding~~ an electric control signal according to a size of the device awaiting decarbonization to the flow controller, ~~allowing~~ the flow controller is configured to control the hydrogen storage case and release hydrogen in accordance with the electric control signal via the first pipe with a flow velocity corresponding to the size of the device awaiting decarbonization, ~~and~~ whereby the hydrogen with the flow velocity enters the device awaiting decarbonization via the second pipe, ~~;~~ the hydrogen then mixes and burns with fuel vapor within the device awaiting decarbonization, achieving the effect of removing carbon accumulation within the device awaiting decarbonization,

wherein the hydrogen storage case contains at least one hydrogen-storing canister, and

wherein the hydrogen-storing canister have hydrogen-storage alloy inside.

2. The carbon removal device as defined in claim 1, wherein the hydrogen-storing canister is connected to the first pipe with pipeline.

3. The carbon removal device as defined in claim 1, or 2, further comprises a convection unit which is disposed at a lateral side of the hydrogen storage case to perform heat exchange with the hydrogen storage case so as to prevent temperature of hydrogen storage case from rapidly dropping during the release of hydrogen gas to affect continuing release of hydrogen.

4. The carbon removal device as defined in claim 3, wherein the control unit is manually operated or operated by a preset program to automatically output the electric control signal to the flow controller.

5. The carbon removal device as defined in claim 4, wherein the control unit is an industrial computer or a personal computer.

6. The carbon removal device as defined in claim 5, wherein one of the industrial computer and the personal computer further comprises a touch screen.

7. The carbon removal device as defined in claim 6, wherein the convection unit further comprises a fan to create airflow to perform heat exchange with the hydrogen storage case.

8. The carbon removal device as defined in claim 7 further comprises a monitoring unit to monitor at least the temperature or pressure of the entire

device.

9. The carbon removal device as defined in claim 8 further comprises a detection unit to detect image condition of the device awaiting decarbonization.

What is claimed is:

1. A carbon removal device, comprising:

a hydrogen storage case storing and outputting hydrogen gas with an hydrogen outlet end;

a first pipe being the hydrogen outlet end of the hydrogen storage case;

a second pipe;

a flow controller connecting with the first and the second pipe;

a control unit being electrically connected to the flow controller;

wherein the second pipe is configured to connect and communicate with an interior of a device awaiting decarbonization, the control unit is configured to output an electric control signal according to a size of the device awaiting decarbonization to the flow controller, the flow controller is configured to control the hydrogen storage case and release hydrogen in accordance with the electric control signal via the first pipe with a flow velocity corresponding to the size of the device awaiting decarbonization, whereby the hydrogen with the flow velocity enters the device awaiting decarbonization via the second pipe, the hydrogen then mixes and burns with fuel vapor within the device awaiting decarbonization, achieving the effect of removing carbon accumulation within the device awaiting decarbonization,

wherein the hydrogen storage case contains at least one hydrogen-storing canister, and

wherein the hydrogen-storing canister have hydrogen-storage alloy inside.

2. The carbon removal device as defined in claim 1, wherein the hydrogen-storing canister is connected to the first pipe with pipeline.

3. The carbon removal device as defined in claim 1, or 2, further comprises a convection unit which is disposed at a lateral side of the hydrogen storage case to perform heat exchange with the hydrogen storage case so as to prevent temperature of hydrogen storage case from rapidly dropping during the release of hydrogen gas to affect continuing release of hydrogen.

4. The carbon removal device as defined in claim 3, wherein the control unit is manually operated or operated by a preset program to automatically output the electric control signal to the flow controller.

5. The carbon removal device as defined in claim 4, wherein the control unit is an industrial computer or a personal computer.

6. The carbon removal device as defined in claim 5, wherein one of the industrial computer and the personal computer further comprises a touch screen.

7. The carbon removal device as defined in claim 6, wherein the convection unit further comprises a fan to create airflow to perform heat exchange with the hydrogen storage case.

8. The carbon removal device as defined in claim 7 further comprises a monitoring unit to monitor at least the temperature or pressure of the entire

device.

9. The carbon removal device as defined in claim 8 further comprises a detection unit to detect image condition of the device awaiting decarbonization.