

TITLE OF INVENTION: HYDROGEN GENERATOR WITH A SOUND-PROOF SHIELD

ABSTRACT

A hydrogen generator includes a water tank configured to contain electrolysis water, an electrolysis module disposed in the water tank and configured to electrolyze the electrolysis water to generate a gas comprising hydrogen, a humidifying module having a humidifying chamber configured to contain supplement water, a diffusing device disposed in the humidifying module and configured to diffuse the gas comprising hydrogen, and a sound-proof shield disposed in the humidifying module and including a sound-proof cavity, a connecting tube communicating the water tank and the diffusing device, and a gas outlet. The gas comprising hydrogen flows through the connecting tube and the diffusing device to the supplement water in the sound-proof cavity, and then passes through the gas outlet to the humidifying chamber. The sound-proof shield blocks sound generated by the gas comprising hydrogen flowing in the device, thereby improving user experience.

Fig. 1