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(54) **Title:** HYDROGEN GENERATING DEVICE PROVIDED WITH SOUND INSULATION COVER AND HYDROGEN GENERATING DEVICE PROVIDED WITH NOVEL POWER MODULE

(54) 发明名称: 具备隔音罩的氢气产生装置及具备新式电源模组的氢气产生装置

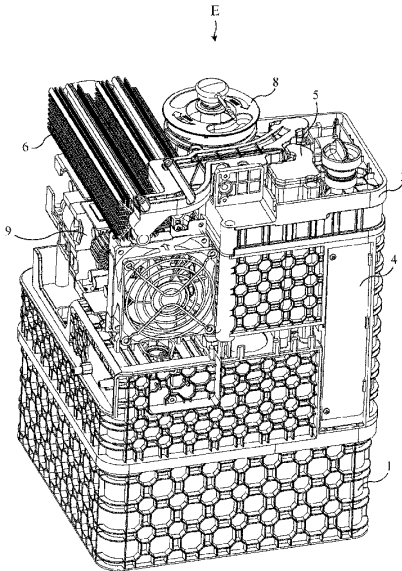


图1

(57) **Abstract:** A hydrogen generating device provided with a sound insulation cover and a hydrogen generating device provided with a novel power module. The hydrogen generating device comprises a water tank, an electrolytic cell, a humidifier, a refining device, and a sound insulation cover; the water tank is used for containing electrolyzed water; the electrolytic cell is arranged in the water tank and is used for electrolyzing water to generate hydrogen-containing gas; the humidifier is provided with a humidifying chamber for containing supplementary water; the refining device is arranged in the humidifier and is used for refining the hydrogen-containing gas; the sound insulation cover is arranged in the humidifier and is provided with a sound insulation cavity, a connecting tube connecting the water tank and the refining device, and a gas outlet hole; the hydrogen-containing gas passes through the connecting tube and the refining device and flows into the supplementary water in the sound insulation cavity, and then the hydrogen-containing gas flows into the humidifying chamber through the gas outlet hole. Thus, according to the present invention, sound generated when the hydrogen-containing gas flows in the device can be insulated by means of the sound insulation cover, so as to improve the experience effect, and heat dissipation can be effectively carried out on a circuit board, thereby improving the operation efficiency.

CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN,
TD, TG)。

本国际公布:

— 包括国际检索报告(条约第21条(3))。

(57) 摘要: 一种具备隔音罩的氢气产生装置及具备新式电源模组的氢气产生装置, 该氢气产生装置包含水箱、电解槽、湿化器、细化装置及隔音罩, 水箱用以容置电解水, 电解槽设置于水箱中并用以电解水以产生含氢气体, 湿化器具有湿化室用以容置补充水, 细化装置设置于湿化器中并用以细化含氢气体, 隔音罩设置于湿化器中并具有隔音腔体、连通水箱及细化装置的连通管以及出气孔洞, 含氢气体通过连通管及细化装置并流至隔音腔体的补充水中, 接着含氢气体透过出气孔洞流至湿化室中; 由此, 本发明可透过隔音罩阻隔含氢气体在装置中流动时所产生的声音, 以提升体验效果, 还能有效地对电路板进行散热, 进而提高运作效率。