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(54) Title: HYDROGEN GENERATING SYSTEM

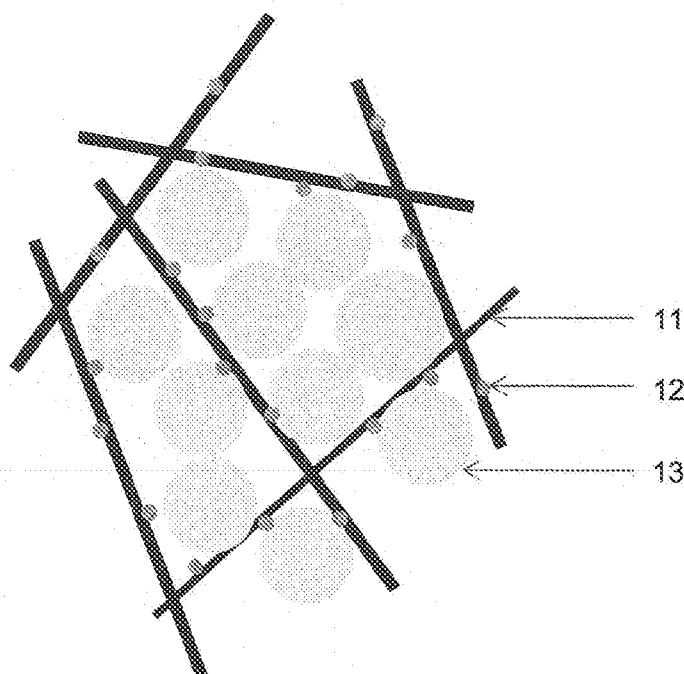


FIG. 1

(57) Abstract: The present invention relates to a solid fuel, a system and a method for generating hydrogen. The solid fuel comprises sodium borohydride, catalyst loaded fibres and a binder, wherein the catalyst loaded fibres and the binder form a scaffold structure within which the sodium borohydride is positioned. The system comprises a fuel cartridge containing the solid fuel of the present invention for generating hydrogen gas, a reactor configured to house the fuel cartridge, a tank for storing water, a pump and a liquid conduit for conveying water from the tank to the fuel cartridge housed within the reactor to induce a hydrolysis reaction of the solid fuel contained in the fuel cartridge and a controller for regulating flow of the water.

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