

ABSTRACT

ENERGY UNIT WITH SAFE AND STABLE HYDROGEN STORAGE

An energy unit in accordance with an embodiment of the present application stores at least water and hydrogen. The energy unit includes an electrolysis component operable to provide hydrogen from the water, a hydrogen storage component operable to safely and stably store hydrogen in solid form and a fuel cell component operable to produce electricity from the hydrogen. The energy unit may be grouped with other like energy units to provide constant power for desired applications.

Figure 1