

Categories

Electronics Devices and System, Energy and Environment

Solution

Combination of the three system will address a lower carbon footprint through the introduction of hydrogen as fuel for the system while graphene based ultracapacitors improves the life cycle of the battery within the system.

Technology & Applications

An overall energy interplay system consisting of three energy storage subsystems such as Batteries, Graphene-based Ultracapacitors and Hydrogen Fuel Cells that leverages on high energy density and power density respectively. Suitable for mobility, portable and stationary applications as a total solution curated towards increased energy storage capacity and performance with low carbon emissions.

Advantages

- Improved energy density and power density allowing for longer electric vehicle life.
- Lower overall system cost through hybridisation.

Intellectual Properties

Patent: PI2021005187
PCT/MY2021/050128

Inventors

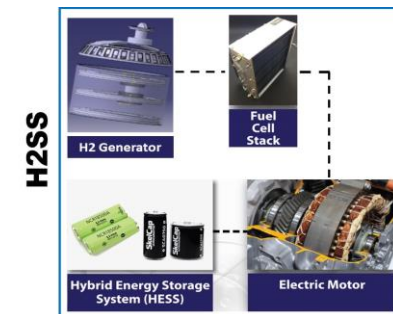
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Technology Partners

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