Hydrogen Paired Electric Race CaR (HyPER)

TECHNOLOGY #P18006-2

Categories

Electronics, Devices, and System, Energy and Environment

Technology & Applications

The Hydrogen Paired Electric Race car (HyPER) is a hybrid electric vehicle integrated with batteries, graphene based ultracapacitors and hydrogen fuel cells also known as the Hydrogen Hybrid Energy Storage System (H2SS). Paired with a hydrolysis based in-situ hydrogen production system, applications within the spectrum of mobility ranges from micro 2-wheelers up to heavy commercial vehicles within the mobility space.

Advantages

Within a H2SS based vehicle:

- PEM Fuel Cell acts as a range extender, able to slow charge batteries while the vehicle is in use.
- Large reduction in carbon footprint.
- Extended EV battery life through the use of Graphene Ultracapacitors

Intellectual Property

Patent: PI2021005187

Market Size

Inventors

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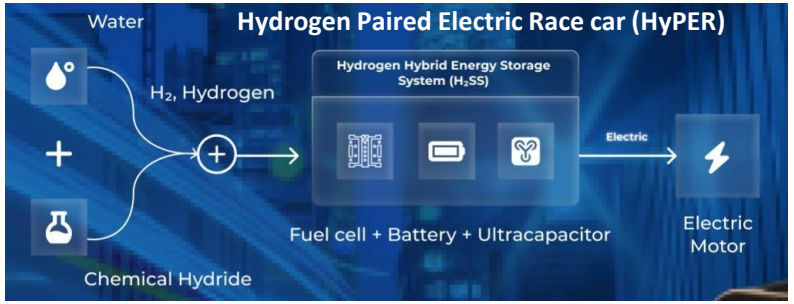
Jagjeet Singh
(Wheelspin Motorsports)

Technology Partners

EV Connections Sdn. Bhd. , HyPERTech Industries, Wheelspin Motorsports, Admatix Solutions

Gallery



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Next Steps?

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