

SAFCell has secured exclusive rights to patents from Caltech and Northwestern related to hydrogen generation using solid acid electrolyte membranes and related technologies. With these rights, and SAFCell's manufacturing know-how, SAFCell plans to develop large scale systems for the production of ul

This allows SAFCell stacks to easily operate on commercially available fuels (e.g. propane, methane, methanol or diesel) while utilizing a very low-cost and rugged platform. SAFCell's technology enables reduced system complexity and is ...

SAFCell, teaming with Northwestern University and LiOX Inc., will convert ammonia into compressed, ultra-pure hydrogen in a solid acid stack. PASADENA, California--SAFCell announced that it has won a competitive \$3 million award from the U.S. Department of Energy's Advanced Research Projects Agency-

SAFCell hydrogen generation solutions enable the on-site conversion of readily-available liquid feedstocks such as ammonia into hydrogen at fueling stations. For large vehicles such as heavy duty trucks, trains and ships, SAFCell hydrogen generators could provide on-board hydrogen generation from liquid fuels, enabling the use of clean fuels ...

SAFCell's technology is based on a new class of electrolytes called solid acids. Fuel Cell Type Temperature; PEMFC - Polymer Electrolyte Membrane: 20-120 °C; AFC - Alkaline: 90-120 °C; PAFC - Phosphoric Acid: 150-200 °C; SAFC - Solid Acid: 220-280 °C; MCFC - ...

SAFCell fuel cell stacks can operate on a number of different fuels. Unlike cold fuel cells, our fuel cell stacks are tolerant of impurities. We can operate on industrial grade fuels such as methanol and propane - we don't require ultra-pure fuel sources. We can also utilize the same fuels as hot fuel cells and combustion-based generators.

SAFCell Inc. is pioneering the commercialization of solid acid fuel cell technology for backup power applications requiring tens of watts to tens of kilowatts. The problem For critical applications requiring 100% uptime, diesel and battery-powered generators have most commonly been used to provide backup power.

Safcell is headquartered in United States California. Safcell was founded in 2009. and was founded by Calum Chisholm, Calum Chisholm. Related Topics. Chemical energy Renewable energy Solid acid Relevant market Electronic component Semiconductor. Login to view all basic info. Data Snapshot. 2. Funding. 4. News. High Related Markets ...

SAFCell to Generate Power for Caltech Solar Toilet December 10, 2013; SAFCell wins Patrick Soon-Shiong Innovation Award November 21, 2013; SAFCell and UltraCell to Develop Portable Power Unit for Army June

24, 2013; First Fuel Cell Investment for Candian IP Fund in Pasadena, CA Based SAFCell, Inc. August 1, 2012

An overview of these five fuel cell types is given in Table 1, as compared to SAFCell's solid acid fuel cell. Table 1. Common types of fuel cells, their temperature of operation, and electrolyte used. Fuel Cell Type: Temperature: Electrolyte: SAFC - Solid ...

SAFCell, Inc. (Pasadena, CA) has successfully achieved the second technical milestone on its 18 month development contract with Nordic Power Systems (NPS, Norway) to deliver solid acid fuel cell (SAFC) stacks for incorporation into ...

SAFCell is an energy company established to market and commercialize the innovative solid acid fuel cell (SAFC) technology developed and patented at the California Institute of Technology. Solid acid fuel cells offer significant cost and performance advantages compared to other fuel cell technologies currently under development.

SAFCell Inc. has signed a Cooperative Research and Development Agreement (CRADA) with the Department of the Navy's U.S. Naval Research Laboratory (NRL). CRADA is an agreement between a Federal laboratory and a non-Federal party to perform collaborative research and development in any area that is consistent with the Federal laboratory's mission.

SAFCell founder and CEO Dr. Calum Chisholm will speak at his alma mater Caltech's Entrepreneurs Forum on Saturday June 4th. The theme of the event is decarbonizing energy, and Dr. Chisholm will present an overview of how SAFCell's technology integrates with liquid hydrogen carriers to promote the growth of the green hydrogen economy.

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SAFCell, Inc. has completed an eight-month field trial of their remote power system at a Shell Canada well site in Rocky Mountain House, Alberta. SAFCell's system, which runs on industrial methanol, powered a methane emissions sensor from late February until mid-October, thereby demonstrating operab

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