DEVELOPMENT OF A SOLID OXIDE FUEL CELL STACK BY DELPHI AND BATTELLE

Subhasish Mukerjee, Steven Shaffer, James Zizelman Delphi Corporation

Larry Chick, Suresh Baskaran, Matt Chou, Chris Coyle, John Deibler, Gary Maupin, Kerry Meinhardt, Dean Paxton, Tim Peters, Vince Sprenkle, Scott Weil, Rick Williford Pacific Northwest National Laboratory, Operated by Battelle Memorial Institute

ABSTRACT

Delphi and Battelle are developing a Solid Oxide Fuel Cell (SOFC) stack for transportation and stationary applications. This team is part of the Solid State Energy Alliance Conversion (SECA) initiative. This paper describes the status of development of the Generation 2 stack and key progress made in addressing some of the challenges in this technology.