Splashpower Chooses Synopsys' Saber Simulator to Develop Advanced Wireless Power Technology

Saber Simulator Selected to Address Robust Mixed-Signal, Multi-Domain Analysis and Verification Requirements

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MOUNTAIN VIEW, Calif., April 16 /PRNewswire-FirstCall/ -- Synopsys, Inc. (NASDAQ: SNPS) today announced that Splashpower, a U.K. innovator in wireless systems design, has chosen Synopsys' Saber® mixed-signal, multi-domain simulator to develop its wireless charging system targeted for portable consumer electronics devices. Splashpower engineers chose the Saber simulator solution because of its ability to easily model and simulate the complex electro-magnetic environment of their advanced wireless power transmission system.

"Our system is unique because power is transferred wirelessly between the Splashpower charging base and the portable electronic device thus eliminating all need for power cables. Our engineers were impressed by the Saber simulator's ability to handle multiple feedback paths and complex electro- magnetic coupling found in our power conversion and transmission system," said Bill Campbell, CEO at Splashpower. "Modeling and simulating such complexity requires advanced mixed-signal language and analysis capabilities. The Saber simulator solution provides the technology we need to simulate, prototype and verify our emerging products."

With the Saber simulator, Splashpower modeled the analog, digital, and magnetic domains of their system utilizing high-level description languages. The Saber simulator's capabilities allowed Splashpower to create and test virtual prototypes of their system, completing their analysis and testing in a fraction of the time required for traditional hardware prototyping.

"The Saber simulator easily models and simulates complex multi-domain environments making it a natural choice by the Splashpower development team," said Mick O'Brien, vice president and general manager of the Saber product line at Synopsys. "Splashpower's requirements clearly demonstrate the complexity our customers are addressing while developing next generation consumer electronics products and our ability to meet those demands."

About Saber Simulator

The Saber simulator is a powerful modeling and simulation environment used to simulate, analyze and verify system interactions between multiple physical domains (electrical, magnetic, mechanical, thermal, hydraulic, etc.). With its advanced time domain and frequency domain analyses, comprehensive model libraries, multi-language modeling tools, and powerful waveform analyzer, designers can optimize their designs for performance, reliability and cost. Production-proven on thousands of successful designs in multiple industries, the Saber simulator is a preferred solution among design teams worldwide for minimizing development costs, reducing design iterations and improving reliability. For more information about the Saber modeling and simulation environment, visit http://www.synopsys.com/saber.

About Synopsys

Synopsys, Inc. is a world leader in EDA software for semiconductor design. The company delivers technology-leading semiconductor design and verification platforms and IC manufacturing software products to the global electronics market, enabling the development and production of complex systems-on-chips (SoCs). Synopsys also provides intellectual property and design services to simplify the design process and accelerate time-to-market for its customers. Synopsys is headquartered in Mountain View, California and has offices in more than 60 locations throughout North America, Europe, Japan and Asia. Visit Synopsys online at http://www.synopsys.com/.

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