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AgigA Tech Strengthens Patent Portfolio For AGIGARAM® High-Density, High-Speed Non-Volatile Memory Solutions

Awarded Key Patent Covering Primary Functionality of AGIGARAM Family

SAN DIEGO--(BUSINESS WIRE)-- AgigA Tech Inc., a subsidiary of Cypress Semiconductor Corp. (NASDAQ: CY) and a leading provider of high-speed, high-density, battery-free non-volatile memory solutions, today announced that the United States Patent and Trademark Office has issued U.S. Patent No. 8,074,034, "Hybrid Non-Volatile RAM", covering the primary functionality of the AGIGARAM product family.

As the inventor of the underlying technology and architecture of AGIGARAM, AgigA Tech has built up the industry's strongest IP position for high-speed, high-density, battery-free non-volatile memory. The company currently has a portfolio of 15 granted and pending patents related to designing, building and deploying non-volatile memory systems, including hybrid memory modules consisting of DRAM, flash memory, and ultracapacitors.

"We clearly have the best technical solution for high-density, high-speed non-volatile memory," said Ron Sartore, CEO of AgigA Tech. "Receiving this patent further strengthens our IP position which we believe provides a significant competitive advantage for us, our customers and our partners."

"Cypress has a history of funding internal start-ups to grow the company beyond our base business*; our flagship PSoC® product line is a successful example of this," said T.J. Rodgers, President and CEO of Cypress, and AgigA Tech Chairman. "Just as Cypress puts a strong emphasis on IP and patent protection, I am happy to see AgigA Tech do the same."

AGIGARAM is a new class of non-volatile memory developed to meet the need for higher-density, higher-performance memory for enterprise-class storage and server applications. By combining DRAM, Flash, an intelligent system controller and an ultracapacitor power source, AGIGARAM provides a highly reliable memory subsystem that runs with the latency and endurance of the fastest DRAM, and with the persistence of Flash. Until recently, designers have reluctantly used batteries to maintain their data during power outages. Others have moved toward new flash-based technologies for memory persistence, but this option falls short of DRAM in terms of latency, speed, endurance and reliability. AGIGARAM enables the fastest possible system performance while also eliminating the many headaches associated with batteries, such as hazardous material disposal, short operating life and extensive maintenance. AgigA Tech has pioneered the use of a battery-free power source based on ultracapacitor technology for this application. All AgigA Tech products utilize ultracapacitors that have gone through rigorous reliability and accelerated life testing at AgigA Tech's reliability test lab, which has been operational for nearly 4 years and continues to run 24 hours a day, 7 days a week.

About AgigA Tech, Inc.

Headquartered in San Diego, California, AgigA Tech is a leading developer of high-speed, high-density, battery-free non-volatile memory solutions. The company's flagship AGIGARAM® product family represents a new class of non-volatile memory created to address the fundamental need for higher-density, higher-performance memory in enterprise-class applications. AGIGARAM integrates NAND Flash, DRAM and an ultracapacitor power source into an innovative, highly-reliable non-volatile memory subsystem that can deliver unlimited read/write performance at the fastest DRAM speeds, while also safely backing up all data when power is interrupted. AgigA Tech is a subsidiary of Cypress Semiconductor Corp. (Nasdaq: CY). The company's products are available worldwide through the Cypress sales force and its distributor partners. More information on the company is available at www.agigatech.com.

About Cypress

Cypress delivers high-performance, mixed-signal, programmable solutions that provide customers with rapid time-to-market and exceptional system value. Cypress offerings include the flagship PSoC® programmable system-on-chip families and derivatives such as PowerPSoC® solutions for high-voltage and LED lighting applications, CapSense® touch sensing and TrueTouch® solutions for touchscreens. Cypress is the world leader in USB controllers, including the high-performance West Bridge® solution that enhances connectivity and performance in multimedia handsets. Cypress is also a leader in high-performance memories and programmable timing devices. Cypress serves numerous markets including consumer,

mobile handsets, computation, data communications, automotive, industrial and military. Cypress trades on the Nasdaq Global Select Market under the ticker symbol CY. Visit Cypress online at www.cypress.com.

* A whitepaper on T.J. Rodgers' philosophy on Cypress start-ups is available on the Cypress website at www.cypress.com/go/CYStartupsHistory

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