



Oak Ridge National Laboratory Announces Granting of Exclusive Solar and Printed Electronics License to NovaCentrix

AUSTIN, Texas, Nov. 13, 2008 – The U.S. Department of Energy’s Oak Ridge National Laboratory (ORNL) has granted an exclusive field-of-use license for patent No. 7,220,936, Pulsed Thermal Processing of Functional Materials, to NovaCentrix, the Austin, Texas-based firm announced today.

“ORNL has the opportunity to work with many companies engaged in the development of new applications for the solar and printed electronics industries. We are confident that NovaCentrix is uniquely qualified to commercialize this important intellectual property for solar and other printed electronics markets including RFID, smart packaging, and displays,” said Dr. Ron Ott, the patented technology’s co-inventor and application team lead for ORNL. “NovaCentrix has demonstrated a compelling capability to develop and market material processing tools aligned with our efforts and those of our clients and partners.”

“NovaCentrix is pleased to have been awarded this exclusive license,” said Charles Munson, chief executive officer for NovaCentrix. “The value proposition we offer our customers is improved product performance at reduced product cost by sintering functional inks in only milliseconds on low temperature substrates such as PET, PVC, and paper. This is achieved using our PulseForge™ product line, including the PulseForge 1100 process development tool and PulseForge 3100 and 3300 high-speed manufacturing tools. The 3100 and 3300 tools are capable of roll-to-roll processing rates up to one thousand feet per minute. The awarded license from ORNL supports our commitment to maximize our customers’ product innovation and performance.”

“NovaCentrix is particularly focused upon providing the photovoltaic industry with scalable high-throughput manufacturing equipment for processing conductive grids and advanced photovoltaic materials. Our PulseForge tools anneal CIGS and crystallize polysilicon and amorphous silicon, allowing our PV customers to target improved conversion efficiencies and lower generation costs,” said Mr. Munson. “Our relationship with ORNL helps our clients in the solar and printed electronics industries leverage the tremendous capabilities of this national laboratory and the expertise of their world class team.”

About ORNL

Oak Ridge National Laboratory is a multiprogram science and technology laboratory managed for the U.S. Department of Energy by UT-Battelle, LLC. Scientists and engineers at ORNL conduct basic and applied research and development to create scientific knowledge and technological solutions that strengthen the nation's leadership in key areas of science; increase the availability of clean, abundant energy; restore and protect the environment; and contribute to national security.

About NovaCentrix

NovaCentrix, based in Austin, Texas, is a leader in emerging printed electronics manufacturing technologies. Their PulseForge process development and manufacturing tools sinter functional inks in milliseconds, including on low temperature, flexible substrates such as paper and plastics. PulseForge tools can process a wide array of metal-based conductive inks, as well as non-metallic and semiconductor inks. NovaCentrix also offers Metalon™ metallic inks, specially suited for maximum performance with PulseForge tools. For more information, visit www.novacentrix.com.