



For Immediate Release

Tuesday, November 27, 2007 16:17:26
Company Press Release
Source: SEAKR Engineering, Incorporated

SEAKR ENGINEERING AWARDED UNITED STATES PATENT.

CENTENNIAL, COLORADO, November 27, 2007 — SEAKR Engineering, Incorporated, a leader in space based data storage and processing systems announced that the United States Patent and Trademark Office has approved the issuance of a patent for the company's Soft Error Detection and Recovery Logic Circuit, issuing U.S. Patent Number 7,263,631. According to a company spokesman, “This patented “re-play” technology improves system performance for reconfigurable FPGA based processing over traditional majority voting techniques.”

To improve system reliability, the technique that SEAKR devised combines buffering, error checking and re-configuring, as well as re-processing of data to reduce or eliminate the effects of detected upsets. In order to mitigate the effects of SEUs (single event upsets), SEAKR buffers data before and after the system’s processing module. Additionally, SEAKR employs error detection within the logic circuit to identify errors that occur due to upsets in reprogrammable logic, and then reloads the data in whole or part as necessary. If an error in the logic is detected during processing of a data block, the output from that block is flushed (removed) from the output buffer. The data is then partially or fully reloaded and the current data block is retrieved from the input buffer and then re-processed. Essentially, SEAKR has created a low cost means for reading and checking data for errors and then reloading the data if errors are found.

About SEAKR Engineering

SEAKR Engineering, Incorporated is a world-leading provider of advanced state-of-the-art electronic avionics for space and airborne applications. Since its inception in 1982, SEAKR has delivered over one hundred flight units. More than sixty of these units have launched and are operating per mission requirements. SEAKR’s leading edge space avionics includes layer III IP routers and modems as well as software-defined radios, high-performance payload processors, modular command and data handling systems, and solid state recorders. SEAKR has a

reputation for high-level performance and reliability in severe environments. SEAKR is a small business proud to serve its customers and country.

As SEAKR's product line has evolved over the years, the company has taken a greater stance in identifying and capturing its corporate Intellectual Property (IP). SEAKR firmly believes identifying intellectual property facilitates and encourages the pursuit of innovation and further enhances its corporate value establishing an arsenal of innovative and novel technology.

For more information about this and other SEAKR Products, call, or write SEAKR Engineering, Incorporated, 6221 South Racine Circle; Centennial, CO. 80111-6427, 303.790.8499 or email at info@seakr.com and visit our Web Site at www.seakr.com.

SOURCE: SEAKR Engineering, Incorporated.