

Media Contact:
Lew Stolpner
VP of Program Management
Phone: 408-970-3500 ext. 312
Email: lew.stolpner@rio-inc.com



NEWS RELEASE

Key U.S. Patent Issued to Redfern Integrated Optics for low phase noise external cavity laser

Santa Clara, Calif. – January 8, 2013 – Redfern Integrated Optics (RIO), a global leader in single frequency narrow linewidth lasers and laser systems, today announced that the United States Patent and Trademark Office has issued patent number US 8,295,320 for its ultra-low phase noise external cavity laser.

This patent covers the design and method of achieving low phase/frequency noise in the external cavity laser based on planar lightwave circuit technology. The invention enables a unique combination of premium performance, previously achieved with complex solid state or fiber lasers, with the high reliability, manufacturability and cost effectiveness of semiconductor lasers. Applications for the ultra-low noise planar external cavity laser (PLANEX™) include, but are not limited to, distributed acoustic fiber optic sensing, coherent Doppler wind LIDAR, distributed temperature and strain fiber optic sensing, microwave photonics, navigational gyroscopes, and heterodyne metrology.

About RIO Inc.

Redfern Integrated Optics, Inc. (RIO) is the leading global supplier of single frequency narrow linewidth lasers, modules, and subsystems to the clean energy, security, oil and gas, and test and measurement markets. RIO's lasers have ultra-low noise, unparalleled wavelength stability, small size, low power dissipation, Telecom grade lifetime reliability, at affordable prices. For more information, please visit www.rio-inc.com, email sales@rio-inc.com, or call 408-970-3500 ext.310.