

Media Contact:
Lew Stolpner
VP of Product 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 planar Bragg grating fabrication technology

Santa Clara, Calif. – January 25, 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 8,358,889 for its planar Bragg gratings fabrication technology.

This patent covers the method and fabrication processes of waveguide Bragg gratings and grating arrays on planar lightwave circuits (PLC). The invention enables the cost effective manufacturing of polarization maintaining high performance Bragg gratings, utilizing wafer level high volume manufacturing processes and well established PLC and CMOS equipment and production lines.

Among other uses, this technology enables RIO to manufacture ultra-low noise PLANEX™ lasers with a unique combination of premium performance and high reliability, manufacturability, and cost effectiveness.

Other applications of RIO's planar Bragg grating technology include active and passive components for communications, optical sensing, bio-sensing, chemical sensing, and bio-engineering.

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.