



## Press Release

*For Immediate Release*

### **Aegis Lightwave Awarded Patents for Tunable Thin-Film Filters**

**Woburn, MA — January 23, 2008** — Aegis Lightwave, a leader in optical channel monitors for fiber-optic communication networks, today announced that it has been granted a patent by the U.S. Patent and Trademark Office entitled “Tunable Optical Filter on a CTE-Matched Transparent Substrate” (US Patent No. 7,304,799). This follows another patent issued in China in October of 2007 entitled “Index Tunable Thin Film Interference Coatings” (China Patent No. ZL02812224.0). These patents cover some of the key aspects behind the device design and fabrication of dynamically tunable thin-film interference filters that include layers with a thermo-optically tunable refractive index.

Thermo-optically tunable thin-film filters form the basis of Aegis’ Active Thin-Films™ technology platform, which is ideally suited to serve a rapidly growing market for low-cost DWDM channel monitors in ROADM applications. These two patents enhance the intellectual property portfolio of the company and bring the number of issued patents for this technology platform to a total of eight. Several other patents related to this technology are pending.

“These two new issued patents cover key design aspects of our tunable optical filter technology and showcase the simplicity and robustness of the device design,” said Jeff Farmer, President and CEO, Aegis Lightwave. “Our tunable thin-film filters have, as a result of these attributes, been time and again the technology of choice for channel monitoring in the growing fiber-optic communications market.”

Aegis provides optical channel monitors based on combining a tunable optical thin-film filter together with a single photodiode in a small transistor outline (TO) package. The tunable filter scans the entire C- or L-band optical spectrum that may contain wavelengths with any mix of bit rates up to 40 Gbps and reports each wavelength’s optical power to a host DWDM transmission system. Aegis’ channel monitors benefit from a simple, robust and highly reliable design that features no moving parts and no epoxy in the optical path. The products are Telcordia qualified and RoHS compliant. They are available in single-, dual- and quad-port configurations.

#### **About Aegis® Lightwave, Inc.**

Aegis Lightwave is a privately held company that builds a wide range of cost-effective optical channel monitoring solutions. Based on its Active Thin-Films™ technology, Aegis is the first company to deliver low-cost wavelength-monitoring components and modules that are easily manufactured using proven methods from the semiconductor industry. Aegis is backed by leading investors and venture capitalists including Vesbridge Partners, Alta Partners, Technology Venture Partners and Megunticook Management. The company is located in Woburn, Massachusetts, USA. More information can be viewed at [www.aegislighthouse.com](http://www.aegislighthouse.com).

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