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## **QOREX Is Granted Its First Patent**

*First patent to issue among growing set of applications submitted on fiber optic technology...*

**Hartford, CT – April 28, 2009** – QOREX LLC, a leading independent fiber optic sensing systems designer and integrator specializing in harsh environment sensors, announced today the issue of its first patent. US Patent 7,526,149 covers a means of accurate discrimination between temperature and strain in Brillouin OTDR measurement to enable a fully functional bi-modal distributed temperature and strain sensor (DTSS). The method is performed using a novel optical interrogation arrangement and protocol, independent of the sensing fiber or cable construction. The QOREX DTSS, built upon the standard Brillouin chassis, allows for simultaneous, accurate measurement of both temperature and strain, thus eliminating the cross-sensitivity of these parameters inherent in legacy Brillouin measurements that have limited Brillouin applications to those requiring some accommodation for controlled temperature or strain. Besides more cost-effective multi-parameter measurement, the proprietary DTSS promises to unlock the advantages of Brillouin technology in power, resolution, and frequency modulation to better address long reach applications, and the high temperature hydrogen challenges inherent in deep geothermal wells and thermal recovery of heavy oil.

### **About QOREX – [www.gorexllc.com](http://www.gorexllc.com)**

QOREX is a leading fiber optic sensor design, engineering, and systems integration firm with expertise in harsh environment systems for broad use in the energy sector: from intelligent oil and gas wells to emerging new energy initiatives such as geothermal power plants, wind turbine stress and condition monitoring systems, and the modernized electrical transmission and distribution grid. These sensing systems provide critical data and information to make informed decisions to optimize operations and minimize shutdown or intervention. QOREX participates across these segments, selling directly to end-user customers in the emerging renewable energy sector, and through established channel partners in oil and gas.