



## **KVH Patents Method of Incorporating Optical Materials Into Optical Fiber; Technique Potentially Enables KVH to Construct Optical Devices Within a Strand of Optical Fiber**

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MIDDLETOWN, R.I., Apr 14, 2004 (BUSINESS WIRE) -- KVH Industries, Inc., (Nasdaq: KVHI) announced today that it has been awarded U.S. Patent #6,718,097, "Method of Incorporating Optical Material into an Optical Fiber," which addresses KVH's method of removing a segment of the core from a strand of optical fiber and replacing it with an alternate optical material and an electrode to form an in-fiber electro-optical device. This process will potentially enable the company to produce optical and telecommunications components within a strand of optical fiber.

"This patent is a significant milestone in our efforts to develop our proposed ActiveFiber technology, which uses our patented D-shaped fiber and electro-optic polymers to create components inside the fiber itself, thereby making the fiber an active element within an optical system," explained Martin Kits van Heyningen, KVH's president and chief executive officer. "While we scaled back the internal resources devoted to this project following the decline of the optical telecommunications market, we have continued our development efforts, supplemented by external funding from the U.S. Department of Defense. Our ongoing research has resulted in what we believe is the world's first in-fiber optical modulator, which we demonstrated in the lab to Defense Department observers in the summer of 2003."

According to the company, this rugged optical modulator holds great promise as a potential component within fiber optic gyros that must withstand significant shock and vibration, such as within an artillery shell. KVH is continuing its research in this field and hopes to receive additional funding to build a prototype in a fiber optic gyro and potentially realize the commercialization of this technology in the future

KVH Industries, Inc., designs and manufactures products that enable mobile communication, navigation, and precision pointing through the use of its proprietary mobile satellite antenna and fiber optic technologies. The company is developing next-generation systems with greater precision, durability, and versatility for communications, navigation, and industrial applications. An ISO 9001-certified company, KVH has headquarters in Middletown, Rhode Island, with a fiber optic and military navigation product manufacturing facility in Tinley Park, Illinois, and a European sales, marketing, and support office in Hoersholm, Denmark.

This release may contain certain forward-looking statements that involve risks and uncertainties. Forward-looking statements address, for example, the functionality, characteristics, quality and performance of KVH's products and technology; anticipated innovation and product development; and customer preferences, requirements and expectations. The actual results could differ. Factors that may cause such differences include, among others, those discussed in KVH's most recent Form 10-K filed with the SEC. KVH assumes no obligation to update its forward-looking statements to reflect new information or developments.

SOURCE: KVH Industries, Inc.

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