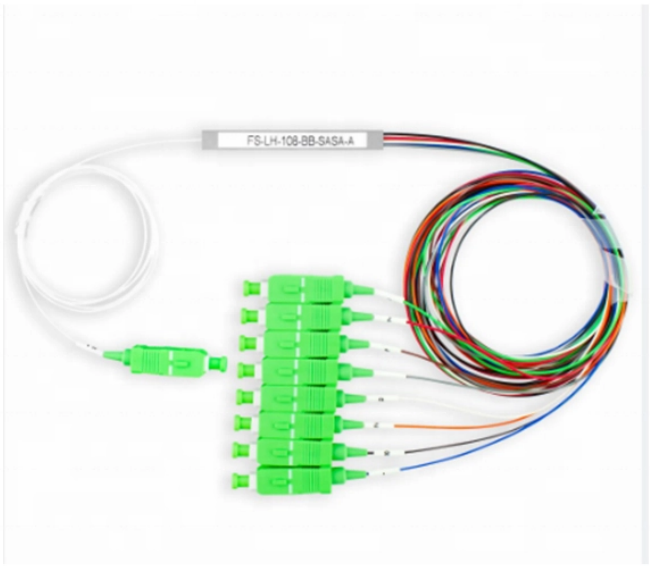
What are the patents for fiber optic sensors



Overview

This page includes the patent name, patent number, legal status, invention/applicant, technical efficacy and accompanying drawings of Fiber optic sensor-related invention patents and utility model patents, which can be searched for their Fiber optic. This page includes the patent name, patent number, legal status, invention/applicant, technical efficacy and accompanying drawings of Fiber optic sensor-related invention patents and utility model patents, which can be searched for their Fiber optic. A fiber optic sensor and related method are described, with the sensor including a cross-coupling element in the optical path between a polarizing element and a sensing element, but separated from the sensing element itself; with the cross-coupling element generating a defined cross-coupling. Abstract: An improved fiberoptic pressure sensing system is disclosed by tapering the tip end of an optical fiber, or alternatively, by tapering or bundling a fiber or group of fibers within a connector. By selectively joining together fibers with a taper while tailoring numerical apertures of the. Patsnap Eureka AI that helps you search prior art, draft patents, and assess FTO risks, powered by patent and scientific literature data. A fiber-optic sensor is a sensor that uses optical fiber either as

the sensing element ("intrinsic sensors"), or as a means of relaying signals from a remote. ensors. More particularly, the present invention relates to apparatus and a method for fiber optic intru- sion hicles. The tubing including responsive materials formulated or configured to, responsive to exposure to one of a target chemical species and a target radiation particle, change a relative size and generate a localized.

What are the patents for fiber optic sensors

Fiber-optic current sensors rely on the magneto-optic Faraday effect in an optical fiber that is coiled around the current conductor. The current-induced magnetic field generates a circular...

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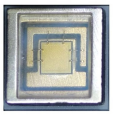
A microbend fiber-optic chemical sensor for detecting chemicals in a sample, and a method for its use, is disclosed. The sensor comprises at least one optical fiber having a microbend ...

The map below breaks down fiber optic sensor patenting activity priority country wise from 1960. The table below ranks top priority countries and helps provide an indication of where ...

U.S. Patent Application US20250180803A1 for a mixed-matrix composite integrated fiber-optic (FO) sensor system was developed that reliably operates as a detector for gas-phase and dissolved CO2. ...



Multimode 15 as well as single mode optical fibers with silica as well as polymeric fiber core have been utilized to fabricate Ubent fiber optic probes for chemical and biosensing applications.

The sensing system uses fiber optic Bragg sensors located along a single fiber optic cable. These sensors actively discern between the liquid and gas states along a continuous fiber and can ...

VENTION This invention relates in general to the field of intru- sion . ensors. More particularly, the present invention relates to apparatus and a method for fiber optic intru- sion .

Abstract: An improved intensity-encoded fiber optic sensor incorporating novel drift correction and filtering means is disclosed.

Our Optical Networking & Sensing department develops new optics and photonics patents spanning the Internet backbone to the home.

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