

Patents for Fiber Optic Communication Materials



Overview

This page includes the patent name, patent number, legal status, invention/applicant, technical efficacy and accompanying drawings of Fiber-optic communication-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 communication-related invention patents and utility model patents, which can be searched for their Fiber-optic. Patsnap Eureka AI that helps you search prior art, draft patents, and assess FTO risks, powered by patent and scientific literature data. Fiber-optic communication is a method of transmitting information from one place to another by sending pulses of light through an optical fiber. The light forms. Fiber optic cables utilize optical fibers to transmit signals such as voice, video and/or data information. The present disclosure relates to an optical fiber cable in which at least one or more optical fibers for transmission in at least. Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Learn a strategy for conducting a preliminary U. See USPTO programs that can help.

Article Content

U.S. Patent Application for OPTICAL FIBER CABLE Patent

In addition, when the number of the drop optical cables is the same, the diameter of the present optical fiber cable can be made smaller than that of the optical cable in which the drop optical

US9400362B2

Aspects of the present disclosure relate generally to fiber optic cables. In some applications, coupling between one or more optical fibers of a fiber optic cable and the jacket of the cable may increase

Patents for Fiber Optic Technology

Fiber Optic Technology Patents M2 Optics is proud to have been awarded the following patents in the arena of fiber optic technology:

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A Brief History of Fiber-Optic Communications The Physics Behind Fiber ...

This chapter includes the following sections: A Brief History of Fiber-Optic Communications —This section discusses the history of fiber optics, from the optical semaphore telegraph to the invention of

FIBER OPTIC CABLES WITH ACCESS FEATURES AND METHOD

In this specification, the terms "polymer" and "polymeric" indicate materials comprised primarily of extrudable polymer materials such as, for example, copolymers, but allows for the

Fiber Optic Patents

The patents are for a hybrid optical fiber and copper conductor cable assembly (patent No.10-215934) and a modular fiber optic tray (patent No.10-215944). The first patent describes an innovative

Optical Fiber Patents (Class 359/341.1)

Various example embodiments for supporting distributed fiber optic sensing of a fiber optic cable may be configured to support distributed fiber optic sensing of a fiber optic cable based on interrogation of an

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Fiber-optic communication

Modern fiber-optic communication systems generally include optical transmitters that convert electrical signals into optical signals, optical fiber cables to carry the

OCC Patent Information

This page is intended to provide notice under 35 U.S.C. § 287 (a) for the products and associated patents listed below. Additional patents may be marked on products or product packaging.

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U.S. Patent Application for FIBER OPTIC CABLE Patent Application ...

An object of the present disclosure is to enable LPG applied over the entire length of an optical fiber without inhibiting an operation of taking out the optical fiber.

Optical fiber patented technology retrieval search results

An optical fiber is a flexible, transparent fiber made by drawing glass (silica) or plastic to a diameter slightly thicker than that of a human hair. Optical fibers are used most often as a means to transmit

US20140003775A1

According to various embodiments, a cable includes a ribbon fiber having multiple optical fibers joined together and disposed within a conduit extending along a length of the cable, the conduit has an

AFL Product Patents

AFL products may be protected by patents in the U.S. and elsewhere. The below list of AFL products may not be all inclusive, and other AFL products not listed may also be protected by one or more

FIBRE-OPTIC COMMUNICATION SYSTEM AND METHOD

Fibre-optic communication systems are used in a variety of contexts to transfer information, such as for telephone and internet communication, as well as for broadcasting television signals.

US8805142B2

The present disclosure relates to optical cables having reduced material costs while maintaining desired performance characteristics.

Optical Fiber Patents (Class 359/341.1)

Search for Optical Fiber Patents and Patent Applications (Class 359/341.1) Filed with the USPTO

Fiber optic companies

This data-file screens for the leading fiber optic companies and cable companies, based on 37,000 patents, technologies and revenues.

How Fiber Optics Was Invented

Fiber optic communication methods and materials invented by them opened the door to the commercialization of fiber optics. From long-distance

Patents | Optical Networking | Research | NEC Labs

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

Optical fiber

An optical fiber, or optical fibre, is a flexible glass or plastic fiber that can transmit light from one end to the other. Such fibers are widely used in fiber-optic

Fiber-optic communication patented technology retrieval search

Patsnap Eureka AI that helps you search prior art, draft patents, and assess FTO risks, powered by patent and scientific literature data. Fiber-optic communication is a method of transmitting information

WO2021128211A1

By controlling the viscosity of a polyimide and designing the material, the optical fiber (100) not only has the high temperature resistance of a polyimide material, but also has a lower attenuation and better

Optical Fiber Patents (Class 398/20)

Abstract: A communication light detecting structure includes a communication optical fiber configured to transmit communication light; a leakage optical fiber optically connected to the middle of the

Fiber Optics

Fiber optics refers to a technology in which light (actually infrared, visible or ultraviolet radiation) is transmitted through the transparent core of a small (250 µm diameter – a human hair is circa 75 µm

Top 100 Key Players companies in Optical fiber cable by Most Patent ...

The Optical fiber cable top 100 is Discovery PatSnap" annual ranking of the top 100 Most Patent Filings Optical fiber cable Key Players in the world. Discovery has identified the top key players, startups &

Fiber optics | Definition, Inventors, & Facts | Britannica

Fiber optics, the science of transmitting data, voice, and images by the passage of light through thin, transparent fibers. In telecommunications, fiber

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