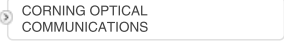
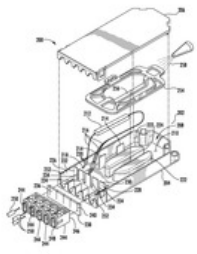
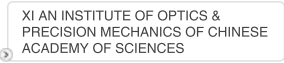
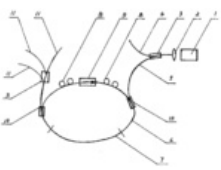
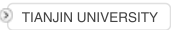
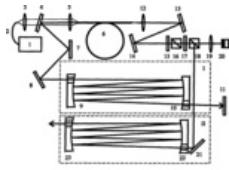
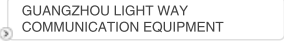
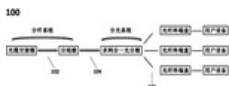
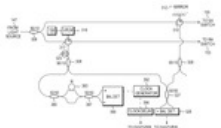
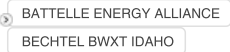
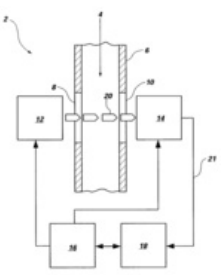


Patent families - 7 results

#	  Title	Publication number	Publ. date	Applicant/Assignee	
1.	Device and method for sealing multiport splitters	EP3497497	2019-06-19		100 %
A sealed multiport splitter device and method are disclosed. The fiber optic multiport comprises housing with an interior defining a first chamber and an adjacent second chamber. An optical splitter with a plurality of splitter legs connect to a plurality of optical fibers located in the first chamber. Potting material is disposed in the first chamber to physically secure the optical splitter, the splitter legs and the optical fibers. A wall having a first face and a second face separates the first chamber from the second chamber. The wall has a plurality of slots extended from the first face to the second face. The plurality of optical fibers route through the plurality of slots between the first chamber and the second chamber. A blocking material is adjacent to the wall to inhibit ingress of the potting material into the second chamber while the potting material is being cured. 					
2.	Femto second optical fiber laser with multiple port coupled output	CN1258945	2000-07-05		88 %
The femto second laser features that the pumping light is coupled to enter into the transmission optical fiber and optical fiber beam splitter, and the then enter into toroidal cavity optical fiber laser comprising connected Er doped optical fiber and laser optical fiber. The toroidal cavity is provided with polarized optical fiber isolator, optical fiber polarization controller and optical fiber output coupler, and in the laser output terminal there is multiple-port output power optical fiber splitter. The present invention solves the problem of optical fiber splitting coupling, raises laser transmission quality and coupling efficiency, provides optical fiber laser with multiple port output in required slitting coupling ratio and makes laser application more convenient and flexible. 					
3.	Mhz photonic crystal fiber ultra-short pulse laser based on multichannel pulse compressor	CN101938081	2011-01-05		78 %
The patent refers to the field of 'devices using stimulated emission'. The invention discloses a MHz photonic crystal fiber ultra-short pulse laser based on a multichannel pulse compressor. The laser comprises a diode pumping source, a photonic crystal fiber, an intra-cavity pulse compressor, a semiconductor saturable absorber mirror and an extra-cavity pulse compressor, wherein the inter-cavity pulse compressor and the extra-cavity pulse compressor respectively are an intra-cavity multichannel pulse compressor and an extra-cavity multichannel pulse compressor. The main bodies of the multichannel pulse compressors are end mirrors in which two concave spherical surfaces are coaxially and oppositely arranged, each end mirror is provided with a rotating ring, and a concave spherical reflector is arranged in the rotating ring. The MHz photonic crystal fiber ultra-short pulse laser has the advantages that the low recurrence frequency of the pulse laser greatly reduces heat accumulation of pulse on components and prolongs the service life of the components, meanwhile, the intra-cavity multichannel compressor and the extra-cavity multichannel compressor with low loss and compact structure overcome the disadvantages of other chromatic dispersion compensation technologies, and the ultra-short pulse laser with low cost, high energy and high peak power output is realized. 					
4.	Optimized fthh system structure	CN204302547	2015-04-29		71 %
The utility model provides an optimized FTTH system structure comprising a fiber splitting system, an optical splitting system, fiber terminal boxes, a distribution optical cable, and a bow-type drop cable jumper. The fiber splitting system is connected with the optical splitting system through the distribution optical cable. The optical splitting system is connected with the fiber terminal boxes through the bow-type drop cable jumper. The fiber terminal boxes convert optical signals into electric signals and are connected with user devices. The fiber splitting system comprises an optical cable splice box, a junction box, and the distribution optical cable, or just comprises the optical cable splice box. Fusion splicing discs are disposed in the optical cable splice box and the junction box. The optical splitting system comprises a multi-network-in-one optical splitting box in which a main box chamber, a branch box chamber, and an optical demultiplexer are arranged. An optical modem is disposed in the fiber terminal box. The optimized FTTH system structure is simple in structure, excellent in element quality, convenient to produce, high in efficiency, and loss in loss, is a constituent part of a new-generation high-speed wide band, saves repeated wire layout investment of telecommunication service operators and a plenty of resources, and is high in economical efficiency and environment friendly. 					
5.	Multimodal imaging system, apparatus, and methods	EP2656051	2013-10-30		58 %
In part, the invention relates to an image data collection system. The system can include an interferometer having a reference arm that includes a first optical fiber of length of L1 and a sample arm that includes a second optical fiber of length of L2 and a first rotary coupler configured to interface with an optical tomography imaging probe, wherein the rotary coupler is in optical communication with the sample arm. In one embodiment, L2 is greater than about 5 meters. The first optical fiber and the second optical fiber can both be disposed in a common protective sheath. In one embodiment, the system further includes an optical element configured to adjust the optical path length of the reference arm, wherein the optical element is in optical communication with the reference arm and wherein the optical element is transmissive or reflective. 					
6.	Optical steam quality measurement system and method	WO2004/036149	2004-04-29		8 %
An optical measurement system is presented that offers precision on-line monitoring of the quality of steam. Multiple wavelengths of radiant energy are passed through the steam from an emitter to a detector. By comparing the amount of radiant energy absorbed by the flow of steam for each wavelength, a highly accurate measurement of the steam quality can be determined on a continuous basis in real-time. In an embodiment of the present invention, the emitter comprises three separate radiant energy sources for transmitting specific wavelengths of radiant energy through the steam. In a further embodiment, the wavelengths of radiant energy are combined into a single beam of radiant energy for transmission through the steam using time or wavelength division multiplexing. In yet a further embodiment, the single beam of radiant energy is transmitted using specialized optical elements. 					
7.	Delivery device for removing interior engine deposits in a reciprocating internal combustion engine	EP1474602	2004-11-10		6 %
Disclosed is an apparatus (20) an application tool (60) useful for removing engine deposits in a reciprocating internal combustion engine (Figure 2) by directing a substantial portion of a cleaning composition to an interior cavity of the engine (260) through an access port wherein the point of delivery (320) is independent of the access port and positionable within the interior of the engine cavity (250). 