Huawei obtains patent for optical amplifier



Overview

Jan 11, 2022 - HUAWEI TECHNOLOGIES CO. This application discloses an optical amplifier including a Raman fiber amplifier (RFA), a dynamic gain equalizer (DGE), a filter, an erbium-doped fiber amplifier (EDFA), an RFA gain controller, an EDFA gain controller . Jan 11, 2022 - HUAWEI TECHNOLOGIES CO. A gain curve of the optical amplifier is symmetric relative to a target gain curve. The pump light source is configured to. An optical modulation and amplification apparatus comprising: a second difference between a modal gain corresponding to the TE mode and a modal gain corresponding to the TM mode in the semiconductor optical amplifier is dependent on the thickness of the upper separate confinement layer and a stress. Embodiments of the present application provides an optical amplifier, an optical signal processing method, and a storage medium. The first tap is configured to receive an input wavelength division multiplexing (WDM) signal.



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Article Content

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These errors or fluctuations may be proportional to an optical path of the laser beam in the optical amplifier. As such, when directing the laser beam through more than one optical...

OPTICAL AMPLIFIER, OPTICAL SIGNAL AMPLIFICATION

This application provides an optical amplifier, an optical signal amplification method, a gain adjustment method of the optical amplifier, and a system, to reduce a volume, power consumption, and costs of

WO2021103553A1

Embodiments of the present application provides an optical amplifier, an optical signal processing method, and a storage medium.

Patents Assigned to Huawei Technologies Co., Ltd.

Abstract: A configurable optical amplifier platform for forming a configurable optical amplifier and including an input module that receives one or more optical signals and a mounting structure

WO/2025/217804 OPTICAL AMPLIFIER, CONTROL METHOD AND

An optical amplifier includes: a first tap, a plurality of amplification stage assemblies, a wavelength detection assembly and a control circuit. The first tap is configured to receive an input

WO/2025/139191 OPTICAL AMPLIFIER AND COMMUNICATION

The optical amplifier is used for amplifying N paths of optical signals, wherein the first optical fiber array is used for inputting optical signals, the second optical fiber array is used for

U.S. Patent Application for OPTICAL AMPLIFIER AND GAIN

This application relates to the field of optical communications, and in particular, to an optical amplifier and a gain adjustment method for an optical amplifier.

OPTICAL AMPLIFIER AND RELATED DEVICE

In the optical amplifier, different types of gain media may be used to amplify the optical signal, for example, an erbium doped fiber amplifier (erbium doped fiber amplifier, EDFA), a semiconductor

Huawei''s WiFi 6 patent wins over Amazon and router maker AVM

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Context: On November 10, 2023, the Munich I Regional Court entered judgment in favor of Huawei against German router maker AVM over a WiFi 6 standard-essential patent (SEP) (case

Huawei Technologies Co., Ltd. Inventions, Patents and Patent ...

Huawei Technologies Co., Ltd. has filed for patents to protect the following inventions. This listing includes patent applications that are pending as well as patents that have already been granted by

Huawei Patent Portfolio Analysis

Huawei holds one of the largest patent portfolios among technology companies globally. In this report, we provide a comprehensive analysis of

Intelligent OptiX Network | OptiX | All-Optical Networking

Huawei''s intelligent OptiX network strategy aims to build intelligent, simplified, ultra-broadband, and ubiquitous next generation all-optical networks.

Patents Assigned to Huawei Technologies Co., Ltd.

The configurable optical amplifier platform also includes an active module operatively connected to the mounting structure and receiving signal outputs from the mounting structure and providing optical

OPTICAL AMPLIFIER DEVICE

An optical amplifier device as claimed in any preceding claim, wherein the optical combiner, the optical amplifier and the phase change element are defined on a single substrate.

Huawei''s patents show value of inventions, ideas from

Last year alone, Huawei filed over 3,500 patent applications with the EU Patent Office, and it held more than 110,000 active patents worldwide by the

Huawei''s new optical storage system plan can reduce maintenance costs

According to the China Intellectual Property database, Huawei has published a new patent for n energy storage system, energy storage container, and optical storage system with

Huawei announces royalty rates for its patent license programs

On Thursday, one of the world''s largest patent holders, Huawei, announced royalty rates for its handsets, Wi-Fi, and IoT patent license programs.

Latest Huawei Patents: In-Depth Examples and Analysis

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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