

Optical Module Patent Litigation



AI Overview

Recent optical module patent litigation involves Applied Optoelectronics, Inc. asserting patents against Molex and Accelight Technologies, alongside PTAB reviews of Innoes LLC patents. Key U.S. Litigation Cases Applied Optoelectronics, Inc. (AOI) vs. Molex, LLC On September 18, 2023, AOI filed a patent infringement lawsuit in the U.S. District Court for the Northern District of California, alleging that Molex's 100G QSFP28 PSM4 optical transceiver module infringed two AOI patents: U.S. Patent No. 9,523,826 ("Pluggable Optical Transceiver Module") and U.S. Patent No. 10,466,432 ("High Speed Optical Transceiver Module") (AOI's complaint). AOI seeks monetary damages and a permanent injunction, emphasizing protection of its intellectual property in fiber-optic access networks, including FTTH, telecom, and datacenter markets. AOI vs. Accelight Technologies, Inc. On December 13, 2024, AOI filed another patent infringement suit in the Northern District of California against Accelight Technologies. The complaint alleges infringement of multiple optical transceiver patents by ATI products, including 100G QSFP28 LR4, 400G QSFP-DD SR8, and other models. AOI is pursuing damages and a permanent injunction, highlighting its commitment to safeguarding R&D investments and IP rights in high-speed optical communications. PTAB Proceedings Innoes LLC vs. Opticis Co., Ltd. The U.S. Patent Trial and Appeal Board (PTAB) instituted an Inter Partes Review (IPR) on February 2, 2025, for U.S. Patent No. 7,198,416, owned by Innoes LLC. The patent covers an optical combiner used for wavelength division multiplexing, a critical component in optical communications. The IPR was petitioned by South Korean company Opticis Co., Ltd., and the PTAB is set to review the validity of certain claims, with a final decision expected by February 2025. This case is also tied to ongoing federal court litigation in the Central District of California. Industry Implications These cases reflect a highly active IP enforcement environment in the optical communications sector. C...

Article Content

Patent and IP Disputes in Fiber Optic Technology: When to Bring in an ...

Discover how fiber optic engineering experts assess patent infringement, differentiate design flaws from infringement, and play a crucial role in resolving intellectual property disputes in

Applied Optoelectronics Sues Eoptolink Over 400G Optical

Applied Optoelectronics files patent infringement lawsuit against Eoptolink, targeting 400G QSFP-DD and 100G QSFP28 optical transceivers. Company seeks damages and injunction.

United States Court of Appeals for the Federal Circuit

Those patents generally relate to fiber optic technology commonly used in data centers. The '320, '456, and '153 patents disclose fiber optic apparatuses including a chassis that houses

Patent litigation and Patent Office procedures dominate this month's ...

The patent covers pluggable optical modules for passive optical communications networks and is the subject of litigation between Nokia and NextGen Innovations LLC, the exclusive licensee

United States Court of Appeals for the Federal Circuit

Corning Optical Communications LLC (Corning) filed a complaint with the Commission alleging FS was violating § 337 by importing high-density fiber optic equipment that infringed U.S.

Photonics IP Update: December 2024 | Laser Focus World

This roundup summarizes photonics-related patent litigation and Patent Office procedures for December.

Optical amplification module, optical amplifier, optical communication ...

U.S. Patent Application US20090185261A1 for the present invention relates to an optical amplifier and the like having a flatter gain spectrum in the wavelength band of 1490 nm to 1520 nm than before.

U.S. Patent Application for Optical Module Patent Application ...

An optical module including an upper shell part, a circuit board, a base, and a light reception component and a light emission component respectively disposed on upper and lower surfaces of the base; a

AOI Files Patent Lawsuit Against Molex

Applied Optoelectronics, Inc. (Nasdaq: AAOI), a leading provider of fiber-optic access network products for the cable broadband, internet datacenter, telecom and fiber-to-the-home

Applied Optoelectronics v. Molex: Optical Transceiver Patent Dispute ...

For patent attorneys tracking assertion strategies in photonics and fiber optic IP, IP professionals monitoring transceiver industry licensing trends, and R& D teams navigating freedom-to-operate

Applied Optoelectronics v. Molex: Optical Transceiver Patent Dispute ...

AOI asserted six U.S. patents spanning optical transceiver architecture and component design, addressing technologies foundational to compact, high-speed optical transceiver modules used in

DJI and Insta360 Escalate Mutual Patent Lawsuits Over Handheld

Lam Wu (@Lamwumkt). 9 views. DJI and Insta360 Escalate Mutual Patent Lawsuits Over Handheld Gimbal Cameras Two major players in the handheld smart camera industry—DJI and

U.S. Patent for Optical module Patent (Patent # 12,339,504 issued

Justia Patents Multi-part (e.g., Two Pieces Screwed Together Or Bayonet Latched) U.S. Patent for Optical module Patent (Patent # 12,339,504)

Applied Optoelectronics v. Molex: Optical Transceiver Patent Dispute ...

Filed on September 18, 2023, in the Northern District of California before Chief Judge Jon S. Tigar, the optical transceiver patent infringement action centered on six U.S. patents covering fiber-optic

U.S. Patent for Optical module Patent (Patent # 12,366,714 issued

The optical module interface 102 is configured to connect to the optical module 200, so that a bidirectional electrical signal connection is established between the optical network terminal

Applied Optoelectronics Filed Patent Infringement Lawsuit Against Molex

“We believe that Molex is infringing upon two of our key optical transceiver patents, and our filing of this complaint is a step to protect our intellectual property,” said David Kuo, Senior VP &

Optical film, backlight module and liquid crystal display device

U.S. Patent Application US20170227794A1 for the present disclosure discloses an optical film, a backlight module and a liquid crystal display device and relates to the liquid crystal display field. It

OPTICAL MODULE

OPTICAL MODULE - Patent 4007255 Electronic devices such as mobile phones gradually become indispensable products in public life. With development of electronic technologies,

ITC Institutes Advisory Proceeding in Certain High-Density Fiber Optic ...

On May 18, 2022, the Commission issued an order instituting an Advisory Opinion proceeding in Certain High-Density Fiber Optic Equipment and

NextGen Innovations v. Nokia: Optical Networking Patent Dispute

Analysis of NextGen Innovations v. Nokia patent infringement case (Case No. 2:23-cv-00637) in Texas Eastern District Court — optical networking patents dismissed with prejudice after

Optics Expert Witness

Optics, a branch of physics, studies the behavior and properties of light. Whether the case involves display optics, lasers, red dot sight, fiber optic cables, optical systems, or photonics, an optics expert

Applied Optoelectronics and Molex Reach Settlement

About Applied Optoelectronics: Applied Optoelectronics, Inc. (AOI) is a leading developer and manufacturer of advanced optical products, including components, modules and equipment.

US12399332B2

An optical module includes a housing, a circuit board, a package, and at least one of a light-emitting assembly or a light receiving assembly. The package includes a package body and a...

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Applied Optoelectronics v. Molex: Optical Transceiver Patent Dispute ...

Case Overview In a closely watched optical networking patent dispute, Applied Optoelectronics, Inc. (AOI) and Molex, LLC reached a settlement in principle after just 200 days of litigation—bringing

United States Court of Appeals for the Federal Circuit

This litigation began when, between November 2019 and August 2020, Core Optical filed complaints in the Central District of California alleging infringement of the '211 patent by the

Patent litigation and Patent Office procedures dominate

February's photonics-related IP activities featured 18 patent litigation and Patent Office procedures concerning various technologies, including optical

Photonics IP Update: August 2025 | Laser Focus World

This roundup summarizes photonics-related patent litigation and Patent Office procedures for August 2025.

Contact Us

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