maschoff brennan

Paul G. Johnson

Registered Patent Attorney • Partner

let's connect

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Languages: Conversational Spanish

education

- J.D., The George Washington University Law School
- B.A., *summa cum laude,* Utah State University, Physics

expertise

Patent Prosecution • Trademark Prosecution • Copyright Registration

Paul graduated summa cum laude in Physics at Utah State University. Clients value Paul for the breadth of his expertise and his ready grasp of emerging technologies.

Paul's technological expertise spans the optical, electrical, mechanical, and software fields. By way of example, Paul has substantial experience with fiber optic technologies, including high speed lasers, passive optical systems, silicon photonics, modulation formats, and optoelectronic modules. Paul has also obtained numerous patents for cutting edge imaging systems that can image beyond the diffraction limit.

Paul is equally conversant with photovoltaic systems. For example, Paul has prosecuted a large number of patents for all aspects of solar panel technology, including electrical, mechanical attachment, and control systems. In addition, Paul has wide-ranging experience in software technologies, including data deduplication, data backup, and software testing, as well as e-commerce technologies and business methods.

Paul assists two universities in managing their intellectual property. He has also obtained a large number of design patents for diverse consumer goods and assists various clients with their trademark portfolios.

my focus

Artificial Intelligence

Automotive

Computers & Databases

Consumer Goods & Services

Copyright Registration

Electric Systems

Clean Technology & Renewable Energy

Intellectual Property Licensing & Transactions

Intellectual Property Portfolio Management

Manufacturing

Medical Devices

Networking & Wireless Technology

Optical Technology

Outdoor Recreation & Sporting Goods

Opinions & Counseling

Patent Prosecution

Post-Issuance Proceedings

Semiconductor

Software

Telecommunications

Trademark Prosecution

- ## technical experience

  - Physics & Optics
  - Optical Networking Systems and Components
  - Active and Passive Optical components
  - Lasers, Photodiodes and related Optical components
  - Photovoltaics
  - X-ray Devices
  - Electronics & Electrical Engineering
  - Integrated Circuit Design
  - Electrical & Electromechanical Systems
  - Semiconductors
  - Telecommunications
  - Consumer Electronics
  - Computer Systems, Software, & Information Technology
  - Hardware Systems
  - Software Systems and Architecture
  - E-Commerce Technologies and Business Methods
  - Internet Technologies
  - Mechanics & Mechanical Engineering
  - Medical Devices

- ## representative matters

  - US 10,063,032 – Distributed Reflector Laser
  - US 10,132,997 – Adiabatically Coupled Optical System
  - US 10,114,183 – Screwless Heat Sink Attachment
  - US 10,073,025 – Method and Device for Incoherent Imaging with Coherent Diffractive Reconstruction
  - US 10,002,738 – Simplified Formation Process of a Low Work Function Insert
  - US 10,001,599 – Two-Stage Adiabatically Coupled Photonic Systems
  - US 10,151,892 – Method to Bond Two Surfaces with Precured Epoxy and Optical Subassembly Including the Same
  - US 10,036,735 – Imaging Through Scattering Media with High Signal to Noise Ratio and Resolution
  - WO 2018064397 – High Resolution Photoacoustic Imaging in Scattering Media Using Structured Illumination
  - US 20180226217 – Hall Current Plasma Source Having a Center Mounted Cathode or a Surface-Mounted Cathode
  - US 20180288849 – Time Alignment of Lightning Emissions at LF-MF Using Waveform Feature Comparison
  - US 20180031737 – Short-Term Thunderstorm Forecast and Severe Weather Alert System and Method
  - WO 2018093445 – Suppressing Cyclically Time-Varying Radar Signatures
  - US 20180157431 – Data Storage Backup Management Method
  - US 20170153440 – Single Multimode Fiber Endoscope
  - US 9,881,355 – Three-Dimensional Single-Molecule Fluorescence Imaging Beyond the Diffraction Limit Using a Double-Helix Point Spread Function
  - US 9,794,017 – SWDM OSAs
  - US 8,953,947 – Bandwidth Efficient Dual Carrier
  - US 8,933,320 – Redundant Electrical Architecture for Photovoltaic Modules
  - US 8,908,734 – Directly Modulated Laser for PON Applications
  - US 8,786,937 – Dual-Polarization QPSK Demodulator
  - US20140325489 – Programmable Symbolic Execution Based Dynamic Checker
  - US 8,529,268 – Ski or Snowboard Teaching Apparatus
  - US D838,491 – Combination Toothbrush and Flosser
  - US D817,784 – Fitness Tracker Wrist Band
  - US D650,029 – Ski Tip Connector

- ## professional admissions & associations

  - Utah State Bar
  - U.S. Patent and Trademark Office
  - American Bar Association

- ## awards & recognition

  - U.S. News & World Report's Best Lawyers; Patent Law (2021 – 2024)

- ## publications & presentations

  - "Giving Your Outdoor Company A Competitive Edge With IP Protection Strategies," Outdoor Industry Association, Webinar, May 17, 2023
  - "Giving Your Outdoor Company A Competitive Edge With IP Protection Strategies," Utah Outdoor Recreation Summit, September 13, 2022
  - "Hot Topics in Tech Law," Association of Corporate Counsel (ACC) Mountain West Chapter 2022 Tech Law Symposium, April 1, 2022
  - "Making Your Mark and Protecting Your Brand," Utah Outdoor Recreation Summit, September 23, 2021