



*Ryan inspires confidence and security. His clients benefit from his adaptability and excellent client service.*

Ryan Swank is a partner in Lewis Roca's Intellectual Property Practice Group. U.S.-based and international clients rely on Ryan for patent consultation, patent preparation, and patent prosecution. He also has experience in filing and prosecuting trademarks.

In utilizing his degree in electrical engineering, Ryan is particularly familiar with display devices, touch screens, batteries, LTE technology, solar cells, radar, automated driving technology, electric motors and drive systems, artificial intelligence, computer memory and data processing, and many other technical fields.

Before attending law school, Ryan interned as an electrical engineer responsible for comprehensive engineering design projects related to safety redundancy and quality control of three-phase submersible electric motors. While earning his electrical engineering degree at Arizona State University, Ryan focused on electromagnetics, antenna theory, network communication, signals processing, and steady state controls, as well as physics generally.

#### Practices

- Trademark
- Patent
- Intellectual Property Due Diligence
- Data Protection and Cybersecurity
- Trade Secrets, Unfair Competition, and Non-Competes
- Intellectual Property

#### Industries

- Computer Systems and Software
- Displays and Touch Screen Panels
- Electronics
- Clean Tech
- Medical Devices
- Artificial Intelligence and Robotics
- Semiconductor and Materials Science
- Sports, Entertainment, and Recreation
- Manufacturing, Machinery, and Equipment
- Energy Storage Systems
- Mining and Manufacturing
- Science and Technology

## Personal Approach

As an experienced IP lawyer, Ryan is known for his ability to work with innovative clients. He is adaptable to changing situations, and able to handle last minute updates or additions to inventions. Ryan goes above and beyond for his clients, and finds strategic ways to advance his clients' business goals. His favorite part about being a lawyer is connecting and collaborating with brilliant people, and learning about new ideas, businesses, and inventions.

Ryan likes playing poker, snorkeling, and skiing. He travels to Park City, Utah once a year and enjoys skiing with friends and family.

## Education

- J.D., Arizona State University - Sandra Day O'Connor College of Law, Law, Science, and Technology Certificate, 2005
- B.S., Electrical Engineering, Arizona State University, 2002

## Bar Admissions

- California, 2011
- U.S. Patent and Trademark Office

## Representative Matters

Ryan has prepared and prosecuted patent applications in the following fields:

- **Systems and Networks**, including memory devices and data storage networks, radar systems and methods, optical systems and methods, wireless systems, internet technologies, and communications systems and methods, including cellular and wireless technology.
- **Display Devices**, including organic light-emitting diode displays, liquid crystal displays, and plasma display panels, stereoscopic displays, including autostereoscopic displays, time-division driven displays, and polarization-division driven displays, driving methods relating to 3D processing and rendering, photo sensor-operated ambient light-responsive displays and driving methods thereof, photo sensor-operated touch panels, methods and devices for manufacturing display panels, including small mask scanning technology and various deposition methods.
- **Energy Devices**, including methods of charge balancing for multiple-cell battery packs using network communication, battery cell construction methods and mechanical arrangement, battery cooling systems, hybrid and electric vehicle systems, proton exchange membrane fuel cells, tubular solid oxide fuel cells, photoelectric devices, and methods of manufacturing photoelectric devices.
- **Other Technologies**, including mechanical devices, electrical system connections, medical devices, card games, business methods, and analog and digital circuits and systems.

- **Numerous Successes** in prosecuting various Reissue and Reexamination matters, and in appealing innumerable matters to the Patent Trial and Appeal Board.

## News

- Lewis Roca Announces 13 Lawyers Named As Partner  
Press Release | 01/10/2019

## Publications

- Exhausting the Possibilities  
Author, *Los Angeles Lawyer Magazine*, 02/12/2018

## Blog Posts

- Supreme Court Finds Patent Exhaustion Alive and Well - IP Blog  
*Lewis Roca Blog*, 06/2/2017