The Emerging Quantum Computing Market – a View Through Worldwide Patent Filings

Shareholder Michael Cuviello will speak during The Arizona Technology Council Virtual Tech Speaker Series: The Emerging Quantum Computing Market – a View Through Worldwide Patent Filings on June 24, 2025.

The session will explore patent application filings in the quantum tech space, specifically the technological trends, competitive dynamics, and innovation patterns.

Additional topics include:

- Patent application filings show the quantum computing industry is transitioning from an embryonic stage to a growth stage, with filings increasing from a handful of applications by a few companies in 2012 to over 2300 applications from over 900 different applicants in 2023.
- The US may no longer be the clear leader in quantum computing. While US companies still lead in the number of patents held, China has overtaken the US in the rate of application filings, and the filings in Europe are accelerating rapidly.
- Quantum Computing is not a single industry, but an ecosystem involving an extraordinarily diverse range of developing and interdependent technical disciplines and industries, including chip manufacturing, sensors, software developers, cryogenics, computer networking, advanced manufacturing, and material science. This suggests quantum computing will not have a single breakout moment like AI, but will advance in smaller incremental steps that depend on advancements in each of these areas.
- The legal and intellectual property industries focused on quantum computing are also developing areas. Quantum computing is so different from other technologies that worldwide patent offices and law firms face unique challenges in developing technical proficiency in these areas.

You can read more about this event by clicking here.