

ParkerVision

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CEO

ParkerVision History

- From 1980 – 1990 developed microelectronics (chips) for heating and air-conditioning control systems
- Patent protected the electronics and systems
- Faced some patent infringement but was able to resolve infringement without lengthy or expensive litigation
- Ultimately sold the business to United Technologies for 9 figures
- From 1990 – 2004 developed microelectronics and software for Broadcast Television Live News Production – won an Emmy for the technology's contribution to News Broadcasting
- Patent protected the electronics and systems
- Thomson Electronics (of France) purchased the business in 2004 for 8 figures based on the patents and products
- Up to this time in ParkerVision's history the US patent system was a good compliment to our goals of protected innovation and business creation

ParkerVision History

- From 1996 – 2016 developed microelectronics (chips) for wireless transceivers
- Technology enables single chip RF transceivers for Smartphones, WiFi, and other wireless devices
- ParkerVision technology is a fundamental breakthrough that others had failed to achieve for many decades
- Invested over \$300 Million to develop and market the technology
- In 1999 – 2004 Qualcomm studied prototypes of the technology starting with 1999/2000 discussions directly with ParkerVision
- Qualcomm's Smartphone chips are based on ParkerVision's patented technology since 2008 – although the technology was used without authorization (no license) and has shipped in billions of Qualcomm units including present day

ParkerVision History

- Filed District Court infringement litigation against Qualcomm in 2014 in Middle District of Florida
- Qualcomm filed IPR's in 2015
- Resolution of IPR's including Fed Circ. took until late 2017
- IPR's filed by Qualcomm delayed trial until December 2020 – 6 ½ years!
- Middle District of Florida's goal prior to IPR's was to provide a trial 2 years from filing the Complaint;
- The result: ParkerVision's market value has lost hundreds of millions of dollars, shuttered (first time ever) R&D facilities and all resources are now allocated to litigation as investors run for the doors realizing that the US Patent System takes too long and is too unpredictable
- Meanwhile: Qualcomm's market share before PV's technology was mid 30% and rose to as high as 90% after infringement

USA Innovators Thrive When...

- Small businesses and individual innovators thrive when:
 - Level playing field where the ground rules are understood from the beginning
 - Dispute resolution is timely and cannot be needlessly delayed
 - There are not multiple standards by which protections are determined
 - The cost of enforcing rights isn't out of reach