

GTT Patents Link Between Legacy IR and Modern GPS Systems

The Opticom multimode phase selector allows easier upgrades, more cooperation

December 9, 2016 - Global Traffic Technologies, LLC has been issued a [U.S. patent](#) for its [Opticom multimode](#) phase selector technology, which allows traffic signal priority control systems to work with both legacy infrared and modern GPS-enabled communication technologies.

The multimode phase selector is a crucial component for Transit Signal Priority (TSP) and Emergency Vehicle Priority (EVP) systems. Agencies can leverage existing technology when expanding their traffic signal priority systems, so existing IR-based systems can integrate with newer GPS-based systems. Multimode capabilities allow authorities to cooperate in an easier fashion, in that Emergency and public transit vehicles can move from areas with one technology to another without hindering their signal priority requests. Finally, multimode technology enables cities and agencies to put themselves on a migration path to newer technology, without having to do everything at once.

GTT's president Doug Roberts said, "The establishment of this new intellectual property is further evidence of the company's commitment to technological leadership and customer focus.

"We aim to be first to market with products that make a real difference to our customers," Roberts said. "The multimode phase selector actively enables different authorities and agencies to work together to help emergency services respond to incidents quickly and safely and it simultaneously helps public transit vehicles to maintain schedule adherence and provide a reliable service for passengers."

GTT is the holder of more than 100 domestic and international patents. The multimode phase selector patent, 'Prioritization of traffic signal preemption requests received from multiple sources over different communication mediums', is U.S. patent number US9478131 B2.

Opticom multimode solutions enable cities to deploy TSP and EVP enhancements with out-of-the-box affordability and seamless scalability. Opticom gives traffic engineers and transit agencies more information, more power and more control.