

Patent #	Title of the patents	Status
1	"Photonic Crystal Microarray Device for Label-free Multiple Analyte Sensing, Biosensing and Diagnostic Assay Chips," Patent 8293177 (Issued: 10/23/2012) US Patent and Trademark Office (2009).	Granted
2	"Photonic Crystal Slot Waveguide Miniature On-Chip Absorption Spectrometer," Patent 8282882 (Issued: 10/09/2012) US Patent and Trademark Office (2010).	Granted
3	"Method for Label-Free Multiple Analyte Sensing, Biosensing and Diagnostic Assay," Patent Application # 13607791, US Patent and Trademark Office (2012).	Granted
4	"Method for the Chip-Integrated Spectroscopic Identification of Solids, Liquids, and Gases," Patent Application # 13607792, US Patent and Trademark Office (2012).	Granted
5	"Packaged chip for multiplexing photonic crystal waveguide and photonic crystal slot waveguide devices for chip-integrated label-free detection and absorption spectroscopy with high throughput, sensitivity, and specificity," Patent Application # 13607801, US Patent and Trademark Office (2012).	Granted
6	"Photonic Crystal MicroArray Layouts for Enhanced Sensitivity and Specificity of Label-Free Multiple Analyte Sensing, Biosensing and Diagnostic Assay," Patent Application # 13607793, US Patent and Trademark Office (2012).	Granted
7	"Fabrication Tolerant Design for the Chip-Integrated Spectroscopic Identification of Solids, Liquids, and Gases," Patent Application # 13607794, US Patent and Trademark Office (2012).	Granted
8	"Multimode Interface Coupler for Use with Slot Photonic Crystal Waveguides," Provisional Application 61/092,672 (2008).	Granted
9	"Broadband, group index independent, and ultra-low loss coupling into slow light slotted photonic crystal waveguides", PCT Conversion, WO 2013/048596 A2 (2012)	Granted
10	"Subwavelength grating coupler", Provisional Application 61/770,694 (2013).	Granted