Docket #: S06-280

Polarization Controller for Air-Core Photonic-Bandgap Fiber

An optical device comprising: a first hollow-core photonic-bandgap fiber portion configured to transmit light having a wavelength, wherein the first portion has a first longitudinal axis and is configured to be adjustably twisted about the first longitudinal axis by a torque applied to the first portion so as to adjustably twist the first portion along a length approximately equal to a first beat length of the first portion, the first beat length dependent on the wavelength.

This technology is available for licensing through Stanford's exclusive licensee. Please contact Dennis Fortner at: Dennis.Fortner@ngc.com for more information.

Patents

- Published Application: 20070274623
- Published Application: 20090052829
- Published Application: 20100021115
- Issued: 7,430,345 (USA)
- Issued: 7,620,283 (USA)
- Issued: 8,965,164 (USA)

Innovators

- Matthew Terrel
- Michel Digonnet
- Shanhui Fan

Licensing Contact

Luis Mejia

Senior Licensing Manager, Physical Sciences

Email