

**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](mailto: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 \(USA\)](#)

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