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: <u>7,430,345 (USA)</u>

• Issued: <u>7,620,283 (USA)</u>

• Issued: 8,965,164 (USA)

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