Docket #: S05-397

Air-Core Photonic-Bandgap Directional Fiber Coupler

An optical fiber includes a cladding, a first core, and a second core. At least one of the first core and the second core is hollow and is substantially surrounded by the cladding. At least a portion of the first core is generally parallel to and spaced from at least a portion of the second core. The optical fiber includes a defect substantially surrounded by the cladding, the defect increasing a coupling coefficient between the first core and the second core.

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: 20070274652
- Published Application: 20090263090
- Published Application: 20110142397
- Published Application: 20120141081
- Issued: 7,551,819 (USA)
- Issued: 7,853,107 (USA)
- Issued: 8,094,983 (USA)
- Issued: 8,385,697 (USA)

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