Docket #: S03-240

Air-core Photonic-Bandgap Fibers

A photonic-bandgap fiber includes a photonic crystal lattice with a material having a first refractive index and a pattern of regions formed therein. Each of the regions has a second refractive index lower than the first refractive index. The photonic-bandgap fiber further includes a core and a core ring surrounding the core and having an inner perimeter, an outer perimeter, and a thickness between the inner perimeter and the outer perimeter. The thickness is sized to reduce the number of ring surface modes supported by the core ring.

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Patents

- Published Application: 20050118420
- Published Application: WO2005026783
- Published Application: 20090175584
- Published Application: WO2005111679
- Published Application: 20070189686
- Published Application: 20050281522
- Issued: 7,110,650 (USA)
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- Issued: 7,228,041 (USA)

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