Docket #: S04-148

Simulation of Core Ring on Surface and Air-Core Modes

An optical fiber includes a cladding 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 optical fiber further includes a core region and a core ring surrounding the core region 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: 20080112678
- Issued: 7,489,848 (USA)

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