

**Docket #:** S06-258

# Optical Filtering Using Photonic-Bandgap Fiber Tapers

An optical device and methods of using an optical device are provided. The optical device includes a hollow-core fiber including a first portion and a second portion. The first portion includes a hollow core having a first diameter. The second portion includes a hollow core having a second diameter smaller than the first diameter. The difference between the first diameter and the second diameter is less than 10% of the first diameter.

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## Patents

- Published Application: [20080050078](#)
- Published Application: [WO2008014357](#)
- Published Application: [20100296093](#)
- Published Application: [20110273712](#)
- Issued: [7,742,665 \(USA\)](#)
- Issued: [8,009,948 \(USA\)](#)
- Issued: [8,244,086 \(USA\)](#)

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