

**Docket #:** S02-236

# **Er-doped Superfluorescent Fiber Source**

A doped superfluorescent fiber source (SFS) has an enhanced mean wavelength stability. A method stabilizes the mean wavelength of a SFS. The method includes providing an SFS including a doped fiber. The method further includes pumping the SFS with pump light from a pump source having a wavelength dependent on the temperature of the pump source and dependent on the power of the pump light. The method further includes optimizing the length of the fiber to reduce the influence of the pump light wavelength on the stability of the mean wavelength.

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## **Patents**

- Published Application: [20040141225](#)
- Published Application: [WO2004031827](#)
- Published Application: [20080144674](#)
- Published Application: [20100220387](#)

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