

Docket #: S08-088

Unidirectional CROW Gyroscopes

This optical gyroscope uses a unidirectional coupled-resonator waveguide to enhance the Sagnac effect. Thus, this device offers greater sensitivity to rotation than conventional resonant or interferometric fiber-optic gyroscopes.

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Applications

- High-precision rotation sensing

Advantages

- Enhanced Sensitivity for a given footprint.
- Smaller footprint for comparable rotation sensitivity.

Patents

- Published Application: [20090244544](#)
- Published Application: [20120069346](#)
- Issued: [8,068,232 \(USA\)](#)
- Issued: [8,705,044 \(USA\)](#)

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