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.

This patent is available for licensing through Stanford's exclusive licensee.
Please contact Dennis Fortner at: Dennis.Fortner@ngc.com for licensing information.

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)

Innovators

- Shanhui Fan
- Michel Digonnet
- Matthew Terrel

Licensing Contact

Luis Mejia

Senior Licensing Manager, Physical Sciences

Email