Docket #: S07-157

Slow Light for Sensing: An Invention Disclosure

An optical sensor includes at least one optical coupler and an optical waveguide in optical communication with the at least one optical coupler. The optical waveguide is configured to receive a first optical signal from the at least one optical coupler. The first optical signal has a group velocity and a phase velocity while propagating through at least a portion of the optical waveguide, the group velocity less than the phase velocity. An interference between the first optical signal and a second optical signal is affected by perturbations to at least a portion of the optical sensor.

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Patents

- Published Application: 20090059238
- Published Application: 20110134432
- Issued: 7,911,622 (USA)
- Issued: 8,300,231 (USA)

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