Docket #: S05-245

Silicon-nanocrystal-coated Microsphere Thermooptical Switches

An optical switch includes a microresonator comprising a plurality of nanoparticles. The microresonator is configured to receive signal light having a signal wavelength and to receive a pump pulse having a pump wavelength. At least a portion of the microresonator is responsive to the pump pulse by undergoing a refractive index change at the signal wavelength.

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

Patents

- Published Application: 20070071386
- Published Application: WO2007035657
- Published Application: 20100142887
- Published Application: 20120213471
- Published Application: 20140233884
- Published Application: 20150023633

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