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(71) Applicant (for all designated States except US): **LUNA INNOVATIONS INCORPORATED** [US/US]; 1 River-side Circle, Suite 400, Roanoke, VA 24016 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KREGER, Stephen, T.** [US/US]; 404 Alleghany Street, Blacksburg, VA 24060 (US). **WYSOCKI, Paul, F.** [US/US]; 2900 Mill Wood Lane, Blackburg, VA 24060 (US). **LACROIX, Jeff, T.** [US/US]; 695 Keystone Drive, Christiansburg, VA 24073 (US).

(74) Agent: **LASTOVA, John, R.**; Nixon & Vanderhye P.C., 901 North Glebe Road, 11th Floor, Arlington, VA 22203-1808 (US).

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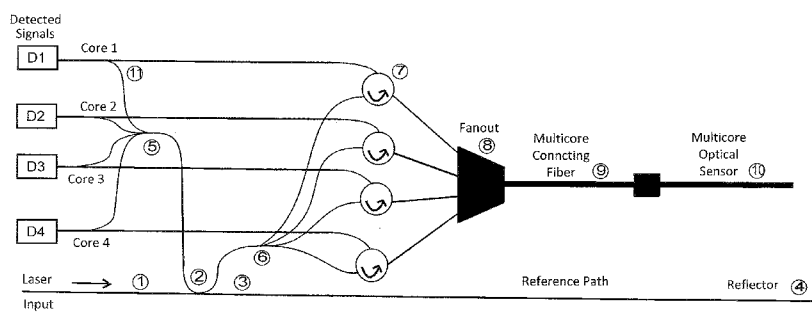


FIG. 3

(57) Abstract: A twisted, multicore fiber communicates light input to each core to an output. The twisting mitigates relative time delays of the input light traveling through each of the cores in the multicore fiber to the output caused by bending of that multicore fiber. An example application is in an optical network that includes an optical input terminal and an optical sensor connected by a twisted multicore connecting fiber. One example of twisted multicore optical fiber is helically-wrapped, multicore fiber.