

Claims

1. An NX1 coupler comprising:
a waveguide having a first and second termini,
said waveguide configured to guide an electromagnetic signal when said electromagnetic signal is incident upon said waveguide in the region between the first and second termini.
2. The NX1 coupler of claim 1 whereas said waveguide is a cylindrical bare core optical fiber.
3. The NX1 coupler of claim 1 whereas said waveguide is a tapered optical fiber.
4. The NX1 coupler of claim 3 whereas said electromagnetic signal propagates from the region of smaller diameter towards the region of larger diameter.
5. The NX1 coupler of claim 4 whereas the intensity of said electromagnetic signal is determined by a detector.
6. The NX1 coupler of claim 5 whereas said detector is placed at either termini of the optical fiber.
7. The NX1 coupler of claim 5 whereas said detector is placed at the terminus of the optical fiber having a larger diameter, said placement resulting in a more intense measurable signal.
8. The NX1 coupler of claim 1 further comprising at least one source of said electromagnetic signal.
9. The NX1 coupler of claim 8 whereas at least one said source of electromagnetic signal is a remote vehicle light source whereas said coupler is used determine if said remote light source is in workable conditions.
10. The NX1 coupler of claim 9 whereas said at least one source of electromagnetic signal can be turned on and off by the operator, in a known fashion, to determine which source is in workable conditions.