

Ex. PGS 1062



United States Patent [19]
Chien

[11] **Patent Number:** **6,079,882**
[45] **Date of Patent:** **Jun. 27, 2000**

- [54] **OPTICAL COMBINER FOR REDUNDANT OPTICAL PATHS IN SEISMIC DATA TRANSMISSION**
- [75] Inventor: **Loring C. Chien**, Katy, Tex.
- [73] Assignee: **Syntron, Inc.**, Houston, Tex.
- [21] Appl. No.: **09/132,346**
- [22] Filed: **Aug. 12, 1998**
- [51] **Int. Cl.⁷** **G02B 6/36**
- [52] **U.S. Cl.** **385/88; 385/89; 385/92; 385/24**
- [58] **Field of Search** 359/109, 127, 359/173, 159; 385/24, 88, 89, 92

5,050,953 9/1991 Anderson et al. 385/89

Primary Examiner—Hung N. Ngo
Attorney, Agent, or Firm—Felsman, Bradley, Vaden, Gunter & Dillon, LLP

[57] **ABSTRACT**

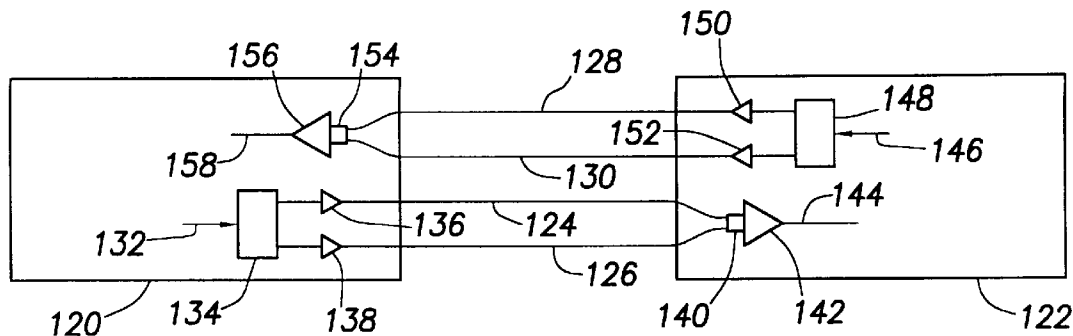
A connector for fiber optics provides a means for eliminating a receiver in a redundant communications channel. The connector receives at least two optical fibers in side-by-side contact and positions the optical fibers in close proximity but not abutting contact with a photo detector imbedded in the connector. The connector further provides a method and a system for redundant data communications.

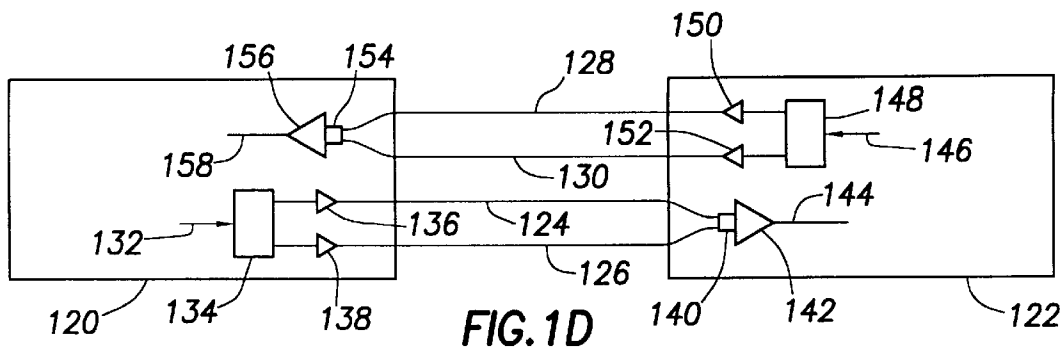
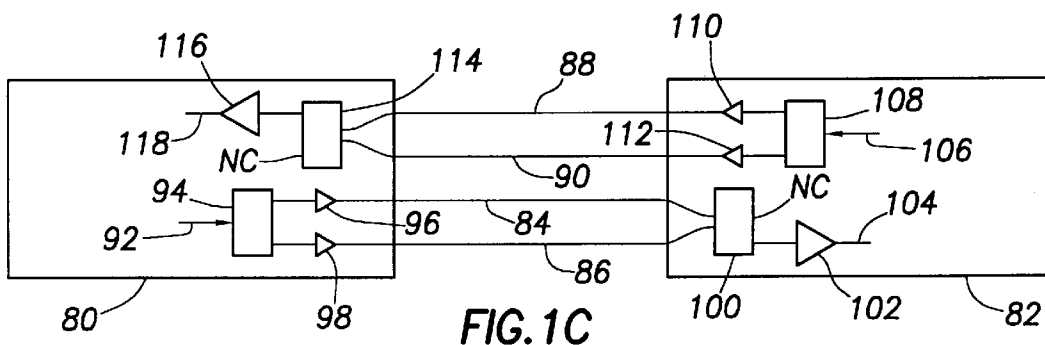
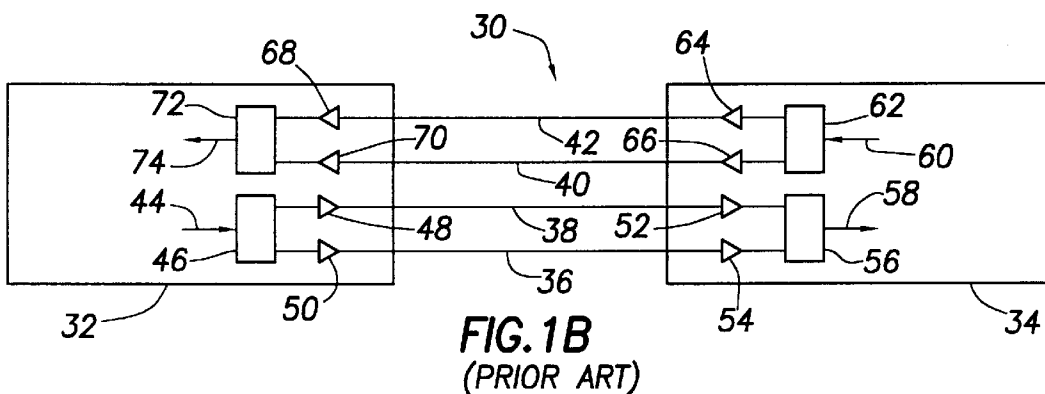
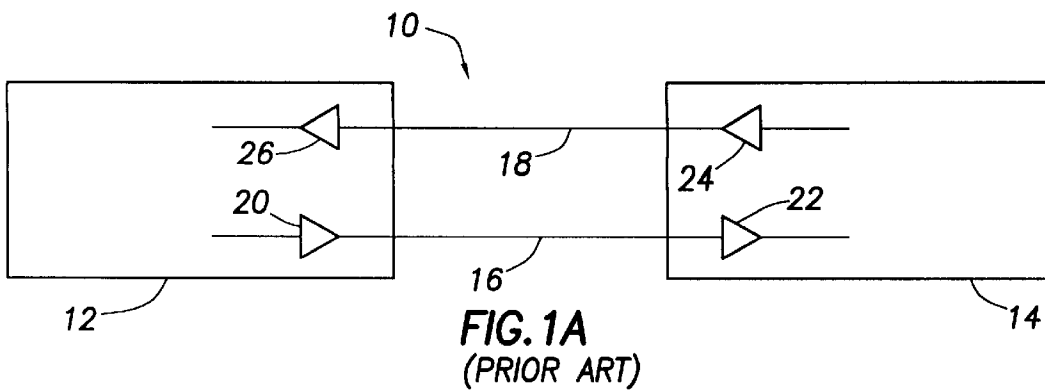
[56] **References Cited**

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11 Claims, 5 Drawing Sheets





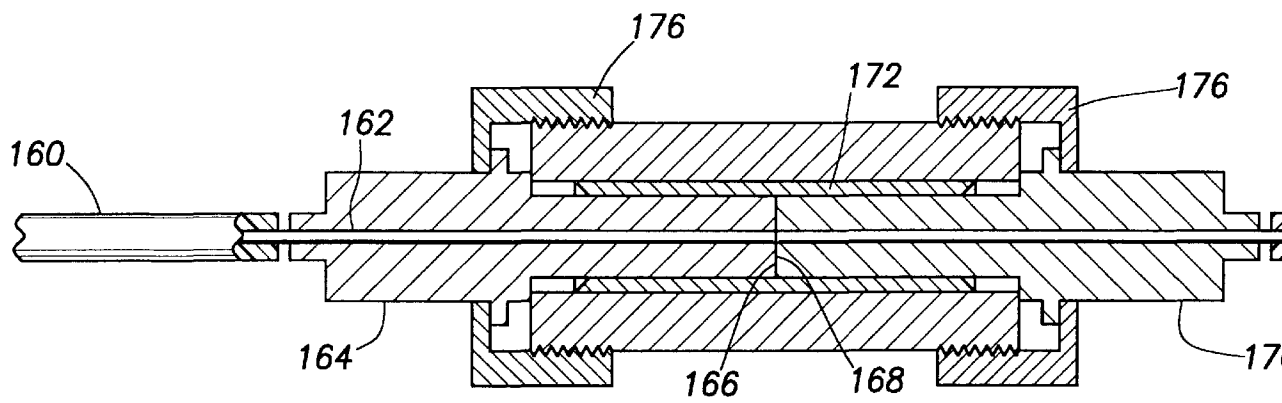


FIG. 2
(PRIOR ART)

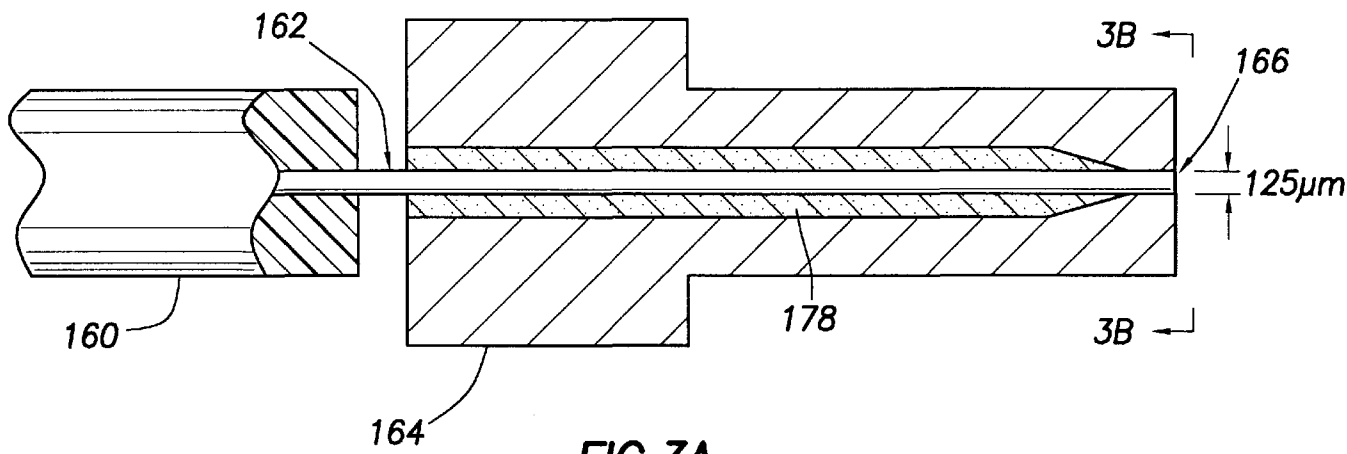


FIG. 3A
(PRIOR ART)

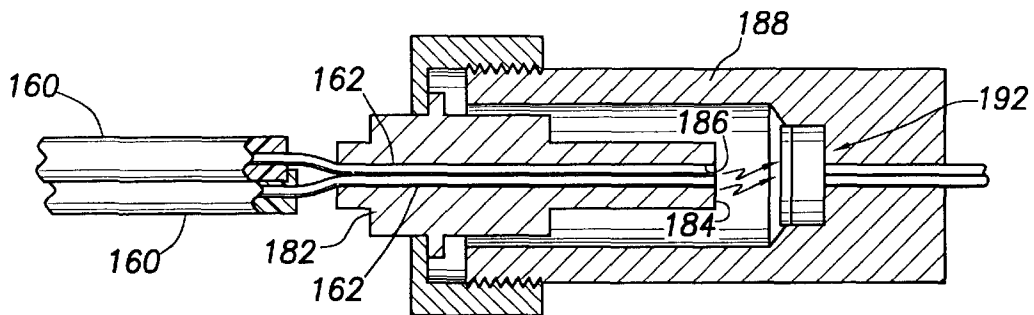


FIG. 4

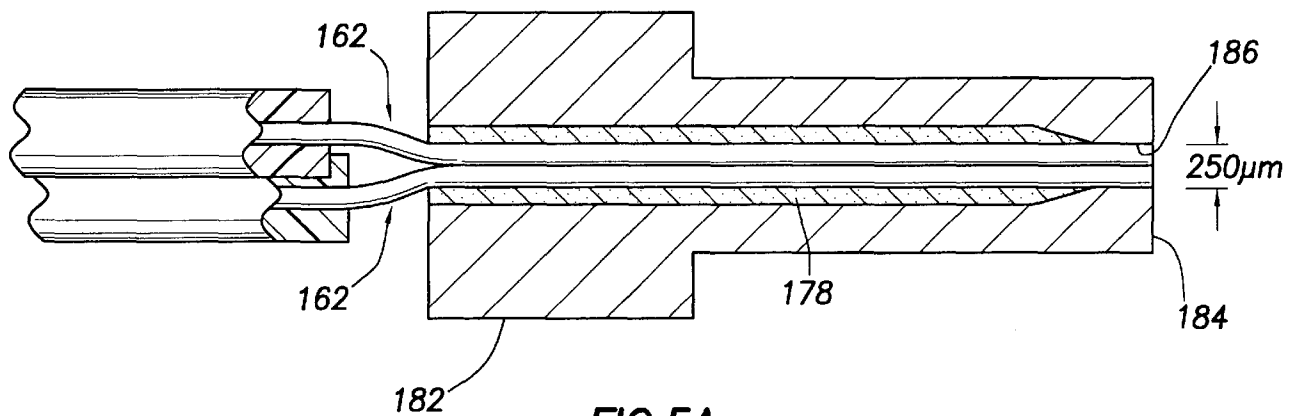


FIG. 5A

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