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(54) **Title:** SIGNAL IDENTIFYING APPARATUS FOR AN OPTICAL FIBER

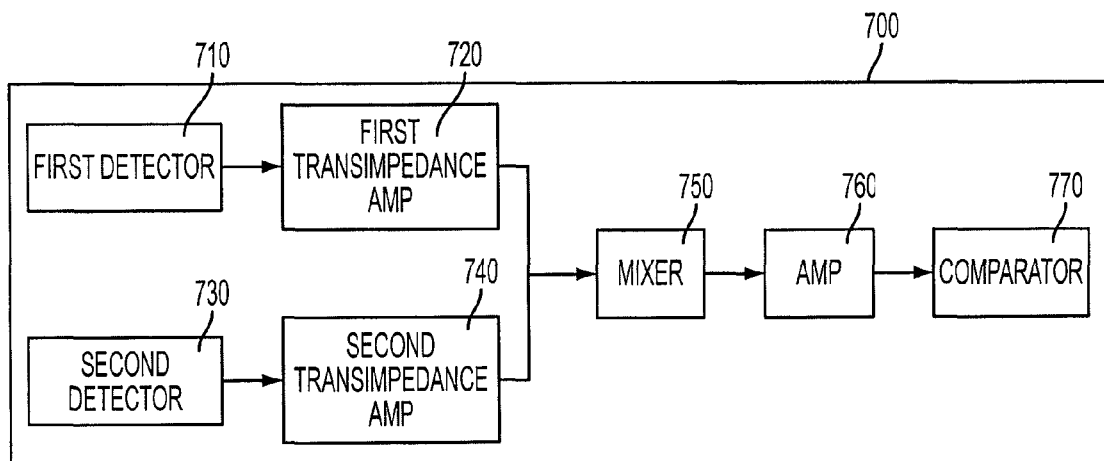


FIG. 7

(57) **Abstract:** Provided is a signal identifying apparatus for an optical fiber that includes a detecting portion capable of detecting a signal originating from a first end of the optical fiber and a signal originating from a second end of the optical fiber. Additionally, the signal identifying apparatus includes an identifying portion that identifies a desired signal by separating the signal originating from the first end of the optical fiber from the signal originating from the second end of the optical fiber.

INTERNATIONAL SEARCH REPORT

International application No

PCT/US 07/84794

A CLASSIFICATION OF SUBJECT MATTER

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B FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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IPC(8) - H04B 10/08, H04B 17/00 (2008 01) -see keyword below-

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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubWEST(USPT,PGPB,EPAB,JPAB), Google patent, DialogPRO

Search terms - Fiber, monitor, tap, two-way, burst, pulses, bi-directional, optical, mixer

C DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X --- Y	US 5,537,500 A (YOKOYAMA) 16 July 1996 (16 07 1996) Figure 3, col 1, ln 40-63, col 3, ln 37-39	1, 5, 9, 13, 14, 19, 20, 26, and 27
Y	US 6,406,196 B1 (UNO et al) 18 June 2002 (18 06 2002) col 3, ln 61-64, col 8, ln 18-22, col 16, ln 7-15, col 31, ln 21-25	2-4, 6-8 10-12, 15-18, 21-25, and 28
Y	US 6,912,085 B2 (HAKOMORI et al) 28 June 2005 (28 06 2005) col 5, ln 20-23	2-4, 7, 8 11 15, 22, and 28
Y	US 6,137,780 A (DARCIE et al) 24 October 2000 (24 10 2000) col 3, ln 16-21, col 3 ln 65-66, ln 4, ln 2	3 and 21
Y	US 5,742,715 A (BOEHLKE et al) 21 April 1998 (21 04 1998) Abstract, col 16 ln 52-56 col 23, ln 26-28	6, 10 18, and 23
Y	US 2003/01131 18 A1 (BARTUR) 19 June 2003 (19 06 2003) para [0028]	7, 12 16 17, 24, and 25
		11

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