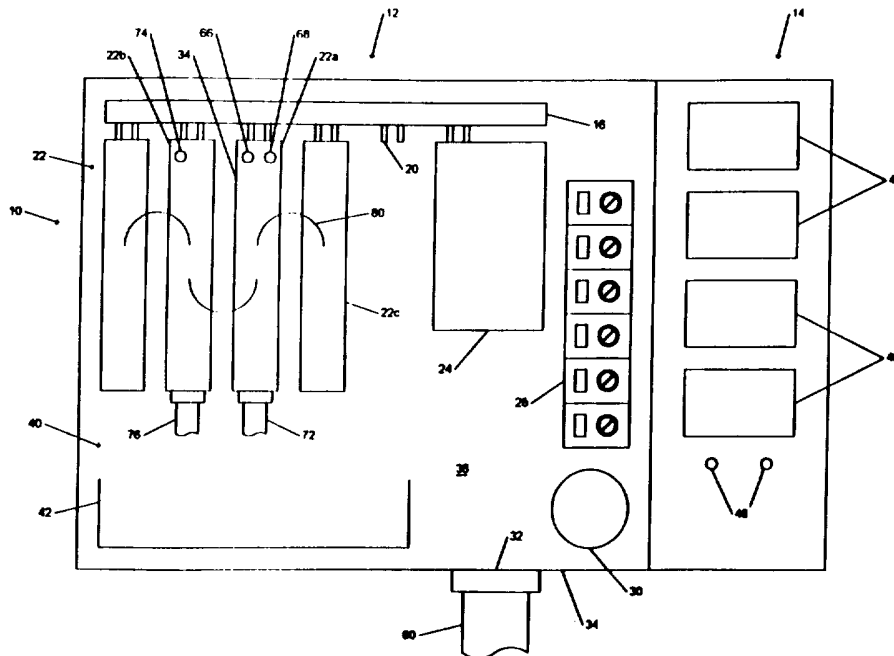




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification ⁶ : H04J 14/02, H04B 10/12, H01R 29/00, 13/60, 13/66</p>	<p>A3</p>	<p>(11) International Publication Number: WO 96/25824 (43) International Publication Date: 22 August 1996 (22.08.96)</p>
<p>(21) International Application Number: PCT/US96/01802 (22) International Filing Date: 8 February 1996 (08.02.96) (30) Priority Data: 08/386,474 9 February 1995 (09.02.95) US (71)(72) Applicants and Inventors: CARLSON, Jeffrey, A. [US/US]; Hwy #2E, Shevlin, MN 56676 (US). MEAD, Craig, D. [US/US]; 753 Center Street, Cleveland, NY 13042 (US). (74) Agents: SAWICKI, Z., Peter et al.; Kinney & Lange, P.A., Suite 1500, 625 4th Avenue South, Minneapolis, MN 55415-1659 (US).</p>	<p>(81) Designated States: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).</p> <p>Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p> <p>(88) Date of publication of the international search report: 26 September 1996 (26.09.96)</p>	

(54) Title: UNIVERSAL DEMARCATION POINT



(57) Abstract

A universal demarcation point (10) for managing the delivery of communications services to a subscriber. The universal demarcation point provides an interface between a utility distribution network and subscriber owned equipment for use with fiber optic cables and copper cables. The universal demarcation point includes a utility accessible portion (12) and a subscriber accessible portion (14). The utility accessible portion (12) has a plurality of service modules (22). The service modules (22) are capable of plugging in to the universal demarcation point and convert the light signals that are transmitted on the fiber optic cables onto cables that are suitable for use in the subscriber's dwelling. The subscriber accessible portion (14) is adjacent to the utility accessible portion and has ports that enable the subscriber to test the integrity of the communications services delivered from the utility distribution network.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US96/01802

A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) : H04J 14/02; H04B 10/12; H01R 29/00, 13/60, 13/66

US CL : 359/125,137,163,171,173; 439/49,435; 385/135

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 359/125,137,163,171,173; 439/49,435; 385/135

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A,P	US, A, 5,419,716 (SCIAMMARELLA ET AL.) 30 May 1995	1
A	US, A, 5,355,401 (SKINNER, SR.) 11 October 1994.	1
A	US, A, 5,337,400 (MORIN ET AL.) 09 August 1994.	1

Further documents are listed in the continuation of Box C. See patent family annex.

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<p>Date of the actual completion of the international search</p> <p style="text-align: center;">20 JUNE 1996</p>	<p>Date of mailing of the international search report</p> <p style="text-align: center;">29.07.96</p>
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