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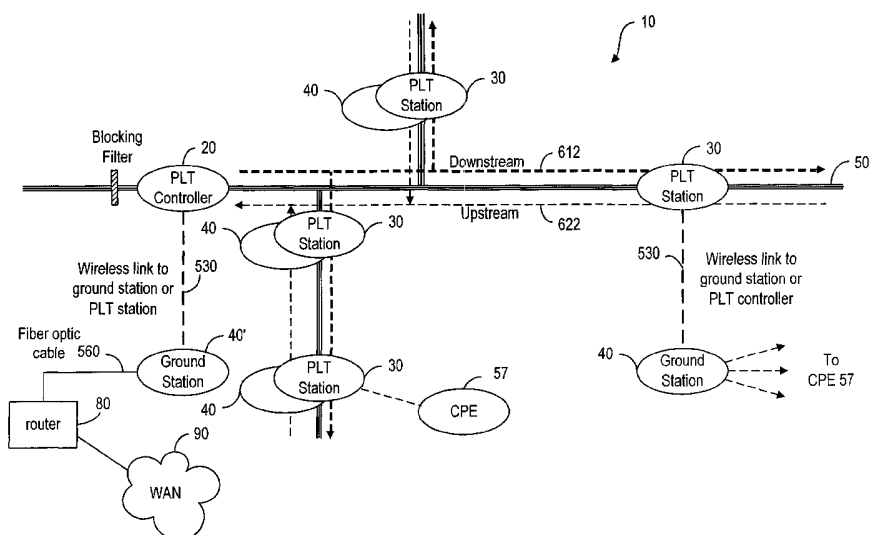
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(54) Title: BROADBAND COMMUNICATIONS USING A MEDIUM-VOLTAGE POWER LINE



(57) Abstract: A broadband service communication system (8) using a medium voltage (MV) cable (500) for conveying RF signals in a network segment (10), which includes a distribution center (PLT controller) (20) and a plurality of power line telecommunication (PLT) stations (30). The PLT controller (20) has a distribution modem (62) for conveying downstream and upstream RF signals to and from the PLT stations (30) through the MV cable (500) via couplers. Each PLT station (30) has a modem (32) for conveying the downstream and upstream RF signals via couplers and for conveying media signals to one or more customer premises equipment (CPE) via, e.g. wireless links. The PLT controller (20) controls each PLT station (30) regarding upstream communications transfer of all downstream communications and also controls. The PLT controller (20) can be connected via a router (80) to a WAN (90) to convey media signals to and from the WAN (90).

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,922,047 A (NEWLIN et al) 13 July 1999, see figures 1 and 2, column 3, lines 47-67, column 4, lines 1-18, column 6, lines 57-67, and column 7, lines 1-50.	1-33
A	US 5,684,826 A (RATNER) 04 November 1997, see Figures 1 and 2, column 2, lines 47-67, column 3, lines 1-67, and column 4, lines 1-48.	1-33
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
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