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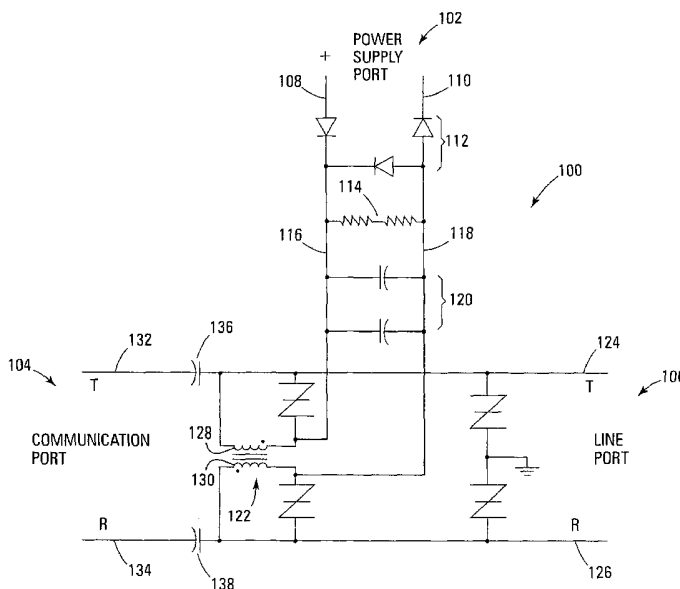
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[Continued on next page]

(54) Title: SPLITTER



(57) Abstract: A splitter for enabling a power signal and a communication signal to be transmitted over a common communication link is provided. The splitter includes a line port adapted to be coupled to a communication line, a power port adapted to be coupled to a power supply to receive a power signal, and a communication port adapted to be coupled to a communication circuit that generates and receives communication signals. The splitter also includes a low pass filter coupled between the power port and the line port, the low pass filter including a coupled inductor, a high pass filter coupled to the communication port, and wherein the communication signals and the power signal are transported on the communication line at the line port.



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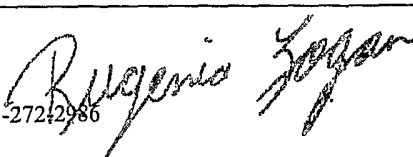
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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : H03H 7/00 US CL : 333/167, 100; 340/310.08 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. : 333/167, 100, 132; 340/310.08, 310.07, 310.01, 310.02, 310.06; 307/3, 8, 89; 348/171 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) Please See Continuation Sheet		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,777,769 A (COUTINHO) 07 July 1998, col. 3, lines 1-22, col. 4, lines 32-65.	1,5,9,13-15
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Y		2-4,6-8,10-12
Y	US 5,793,265 A (SPIELMAN) 11 August 1998, col. 4, lines 53-67, col. 5, lines 1-63.	2-4,6-8,10-12
A	US 6,037,678 A (RICKARD) 14 March 2000, see entire document.	1-20
☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.		
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"P"	document published prior to the international filing date but later than the priority date claimed	
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