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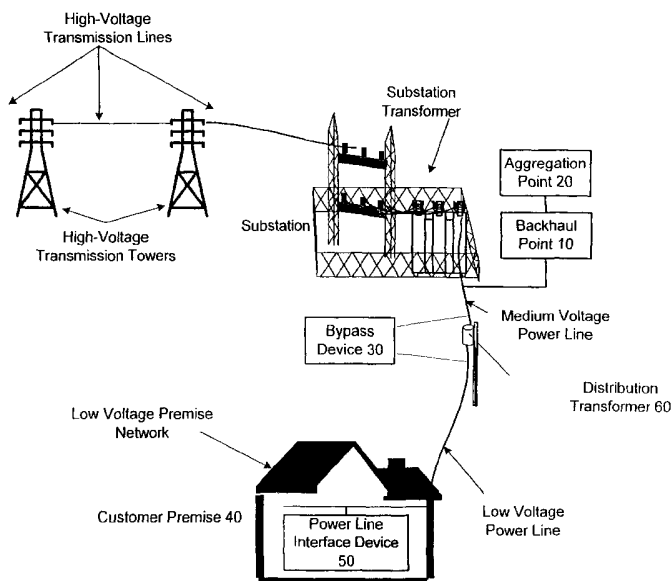
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[Continued on next page]

(54) Title: POWER LINE COMMUNICATION SYSTEM AND METHOD



(57) Abstract: The present invention provides a device for providing communication through power lines (faig. 2) comprised of multiple conductors by transmitting the data signals through a plurality of the conductors. One embodiment of the present invention may be comprised of a transmit circuit (20) communicatively coupled to a first energized conductor for applying a first voltage signal representing the data to the first energized conductor; the transmit circuit being communicatively coupled to a second energized conductor for applying a second voltage signal representing the data to the second energized conductor; and wherein the second voltage signal is opposite in polarity said first voltage signal.

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 US CL : 340/310.01, 310.07, 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)
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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)
 EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,172,597 B1 (BROWN) 09 January 2001, fig. 2	1-4, 6,-20, 22-27

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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