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(71) Applicant(s):

Quellan Inc 75 Fifth Street N W, Suite 210, Atlanta, Georgia 30308, United States of America

(72) Inventor(s):

Andrew Joo Kim Michael G Vrazel Sanjay Bajekal Charles Summers

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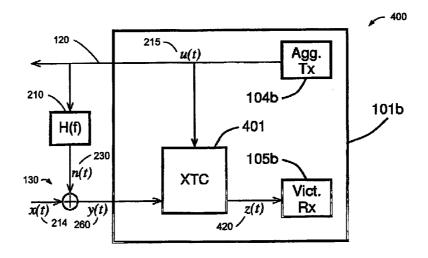
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(54) Abstract Title: Method and system for crosstalk cancellation

(57) Signals propagating in one communication channel can generate crosstalk interference in another communication channel. A crosstalk cancellation device can process the signals causing the crosstalk interference and generate a crosstalk cancellation signal that can compensate for the crosstalk when applied to the channel receiving crosstalk interference. The crosstalk cancellation device can include a model of the crosstalk effect that generates a signal emulating the actual crosstalk both in form an in timing. The crosstalk cancellation device can include a controller that monitors crosstalk-compensated communication signals and adjusts the model to enhance crosstalk cancellation performance. The crosstalk cancellation device can have a mode of self configuration or calibration in which defined test signals can be transmitted on the crosstalk-generating channel and the crosstalk-receiving channel.



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 (74) Agent and/or Address for Service:
R G C Jenkins & Co
26 Caxton Street, London, SW1H 0RJ, United Kingdom