

Title (en)

APPARATUS AND METHOD FOR ADAPTING AN ECHO CANCELLER IN A COMMUNICATION SYSTEM

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ANPASSUNG EINES ECHOKOMPENSATORS IN EINEM NACHRICHTENÜBERTRAGUNGSSYSTEM

Title (fr)

APPAREIL ET PROCEDE POUR L'ADAPTATION D'UN ANNULEUR D'ECHOS DANS UN SYSTEME DE COMMUNICATION

Publication

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Application

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Abstract (en)

[origin: WO9931866A1] An apparatus and method for adapting an echo canceller in a communication system reduces the number of taps in the echo canceller filter in order to reduce the amount of processing resources consumed by the echo canceller. A near-end echo canceller (406) is disabled if the modem (402) operates on the digital side of a digital-to-analog connection. A far-end echo canceller (408) is disabled if the modem (402) operates on the analog side of a digital-to-analog connection or if the round-trip delay is below a predetermined threshold. The far-end echo canceller (408) is truncated if the span of the far-end echo canceller overlaps the span of the near-end echo canceller (406).

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