

Title (en)

ECHO CANCELLATION DEVICE INCLUDING A DOUBLE TALK DETECTOR

Title (de)

VORRICHTUNG ZUR ECHOUNTERDRÜCKUNG MIT GEGENSPRECHDETEKTOR

Title (fr)

DISPOSITIF D'ANNULATION D'ECHO COMPRENANT UN DOUBLE DETECTEUR DE PAROLES

Publication

EP 1590894 A1 20051102 (EN)

Application

EP 03702929 A 20030203

Priority

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Abstract (en)

[origin: WO2004070969A1] This echo cancellation device, for cancelling an echo signal (S(n)) output by telecommunication means (10), comprises adaptive filtering means (11), for outputting an estimate (S'(n)) of the echo signal (S(n)). It further comprises further adaptive filtering means (34), receiving as an input a signal (Y(n)) which comprises the sum of a signal (V(n)) originating from a first end of a connection and of the echo signal (S(n)). The adaptive filtering means (11) and the further adaptive filtering means (34) are controlled by a first error signal (E'(n)), and the first error signal (E'(n)) becomes null if, either the signal (V(n)) originating from the first end of the connection, or the echo signal (S(n)), is suppressed by the further adaptive filtering means (34) and if the estimate (S'(n)) of the echo signal (S(n)) is equal to the echo signal (S(n)).

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