

Title (en)

Circuit and method for adaptive suppression of acoustic feedback

Title (de)

Schaltung und Verfahren zur adaptiven Unterdrückung einer akustischen Rückkopplung

Title (fr)

Circuit et procédé pour la suppression adaptative de la réaction acoustique

Publication

EP 0930801 A3 20060524 (DE)

Application

EP 98811273 A 19981230

Priority

CH 6498 A 19980114

Abstract (en)

[origin: EP0930801A2] Two de-correlating filters (12,13) are formed as lattice-type filters. The first filter is used to decorrelate an echo-compensated input signal (en), while the second filter decorrelates the delayed output signal using coefficients originating from the first filter. The two filters are configured for calculation of their lattice coefficients using adaptive decorrelation of the echo-compensated input signal. A method of adaptively suppressing acoustic feedback is also claimed.

IPC 8 full level

H04R 3/02 (2006.01); **H04R 25/00** (2006.01)

CPC (source: EP US)

H04R 25/453 (2013.01 - EP US); **H04R 25/505** (2013.01 - EP US)

Citation (search report)

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- [AD] EP 0585976 A2 19940309 - PHONAK AG [CH]
- [A] GB 1520148 A 19780802 - STANDARD TELEPHONES CABLES LTD
- [AD] MBOUP M ET AL: "Coupled adaptive prediction and system identification: a statistical model and transient analysis", DIGITAL SIGNAL PROCESSING 2, ESTIMATION, VLSI. SAN FRANCISCO, MAR. 23, vol. VOL. 5 CONF. 17, 23 March 1992 (1992-03-23), pages IV1 - IV4, XP010059154, ISBN: 0-7803-0532-9
- [A] PATENT ABSTRACTS OF JAPAN vol. 015, no. 046 (E - 1029) 4 February 1991 (1991-02-04)

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Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0930801 A2 19990721; **EP 0930801 A3 20060524**; **EP 0930801 B1 20081105**; AU 745946 B2 20020411; AU 9826598 A 19990805; DE 59814316 D1 20081218; DK 0930801 T3 20090223; US 6611600 B1 20030826

DOCDB simple family (application)

EP 98811273 A 19981230; AU 9826598 A 19981231; DE 59814316 T 19981230; DK 98811273 T 19981230; US 22835599 A 19990111