

Title (en)

FEEDBACK HOWL MANAGEMENT IN ADAPTIVE NOISE CANCELLATION SYSTEM

Title (de)

RÜCKKOPPLUNGSHEULVERWALTUNG IN EINEM ADAPTIVEN RAUSCHUNTERDRÜCKUNGSSYSTEM

Title (fr)

GESTION DE L'EFFET LARSEN DANS UN SYSTÈME ADAPTATIF DE SUPPRESSION DE BRUIT

Publication

EP 3371981 B1 20200506 (EN)

Application

EP 16794161 A 20161028

Priority

- US 201562252058 P 20151106
- US 2016059339 W 20161028

Abstract (en)

[origin: CN108781318A] An integrated circuit may include an output for providing an output signal to a transducer including both a source audio signal for playback to a listener and an anti-noise signal for countering the effect of ambient audio sounds in an acoustic output of the transducer, an ambient microphone input for receiving an ambient microphone signal indicative of the ambient audio sounds; an error microphone input for receiving an error microphone signal indicative of the output of the transducer and the ambient audio sounds at the transducer; and a processing circuit that implements a feedback path having a feedback response that generates a feedback anti-noise signal from the error microphone signal, wherein a signal gain of the feedback path is a function of the ambient microphone signal, and wherein the anti-noise signal comprises at least the feedback anti-noise signal.

IPC 8 full level

G10K 11/178 (2006.01); **H04R 1/10** (2006.01); **H04R 3/00** (2006.01)

CPC (source: EP US)

G10K 11/17833 (2017.12 - EP US); **G10K 11/17881** (2017.12 - EP); **H04R 1/1083** (2013.01 - EP); **H04R 3/005** (2013.01 - EP); **G10K 2210/1081** (2013.01 - EP US); **G10K 2210/3028** (2013.01 - EP US); **G10K 2210/3056** (2013.01 - EP); **G10K 2210/506** (2013.01 - EP); **H04R 2410/05** (2013.01 - EP); **H04R 2460/01** (2013.01 - EP)

Cited by

CN116208879A

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CN 108781318 A 20181109; CN 108781318 B 20200717; EP 3371981 A1 20180912; EP 3371981 B1 20200506

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