Title (en)

NOISE REDUCING SYSTEM

Title (de)

GERÄUSCHVERMINDERNDES SYSTEM

Title (fr)

SYSTEME DE REDUCTION DE BRUIT

Publication

EP 0516695 B1 19970409 (EN)

Application

EP 91904859 A 19910220

Priority

- GB 9100265 W 19910220
- GB 9003938 A 19900221

Abstract (en)

[origin: WO9113429A1] An active control system for attenuating tonal noise in a defined region is described. In its most basic form the system includes sensors (1, 8) for generating signals indicative of the residual noise in the region after attenuation and the uncontrolled sound affecting the region, signal processing circuits (10, 26) for processing the generated signals differently depending on the tonal content thereof, an adaptive filter (5) supplied with at least one of the generated signals whose characteristic is controlled by the processing circuitry (10), a transducer (6) for producing tonal-noise-attenuating disturbance in the region and delay means (4) for delaying signals relating to the uncontrolled noise before or after or during the adaptive filtering. The system finds direct application in a personal headset or ear defender.

IPC 1-7

G10K 11/16

IPC 8 full level

G10K 11/178 (2006.01)

CPC (source: EP US)

G10K 11/17837 (2017.12 - EP US); **G10K 11/17854** (2017.12 - EP US); **G10K 11/17875** (2017.12 - EP US); **G10K 11/17881** (2017.12 - EP US); G10K 2210/108 (2013.01 - EP); G10K 2210/1081 (2013.01 - EP); G10K 2210/121 (2013.01 - EP); G10K 2210/3011 (2013.01 - EP); G10K 2210/3018 (2013.01 - EP); G10K 2210/511 (2013.01 - EP)

Citation (examination)

B. Widrow et al: Adaptive Signal Processing, pp 349 - 350 (cited in the original application)

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

WO 9113429 A1 19910905; AT E151554 T1 19970415; AU 639761 B2 19930805; AU 7336091 A 19910918; CA 2076390 A1 19910822; CA 2076390 C 19980714; DE 69125601 D1 19970515; DE 69125601 T2 19970814; EP 0516695 A1 19921209; EP 0516695 B1 19970409; GB 9003938 D0 19900418; JP H07500677 A 19950119

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