Title (en)

Active silencer with improved method of selecting coefficient sequence

Title (de)

Aktiver Schalldämpfer mit verbessertem Verfahren zur Koeffizientensequenzselektion

Title (fr)

Atténuateur actif du son muni d'une méthode améliorée de sélection de la séquence de coefficient

Publication

EP 0530523 B1 19980318 (EN)

Application

EP 92113366 A 19920805

Priority

JP 19651391 A 19910806

Abstract (en)

[origin: EP0530523A2] There is the most appropriate coefficient sequence retained in a memory (15) in addition to a coefficient sequence for silencing signal operation used in a digital signal processor (14). Updating of coefficient sequences for operation, saving into the memory (15), and loading of the coefficient sequence in the memory (15) into a memory for operation of the digital signal processor (14) are performed according to variation of average power of a silencing error signal e(n) in silencing operation. Furthermore, with detection of abnormality of an input/output signal and a coefficient sequence, the coefficient sequence retained in the memory (15) is loaded into the operating memory (21) of the digital signal processor (14) to implement a stable control state, and the sound input signal buffer (23) is cleared to cut a feedback loop in an instant to prevent howling. <IMAGE>

IPC 1-7

G10K 11/16

IPC 8 full level

F01N 1/06 (2006.01); **G10K 11/178** (2006.01)

CPC (source: EP US)

G10K 11/17819 (2017.12 - EP US); **G10K 11/17825** (2017.12 - EP US); **G10K 11/17835** (2017.12 - EP US); **G10K 11/17854** (2017.12 - EP US); **G10K 11/17857** (2017.12 - EP US); **G10K 11/17881** (2017.12 - EP US); G10K 2210/3012 (2013.01 - EP); G10K 2210/3045 (2013.01 - EP); G10K 2210/3214 (2013.01 - EP); G10K 2210/503 (2013.01 - EP)

Cited by

FR2698149A1; US5768124A; WO9409480A3

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0530523 A2 19930310; **EP 0530523 A3 19931124**; **EP 0530523 B1 19980318**; DE 69224780 D1 19980423; DE 69224780 T2 19981029; JP 2886709 B2 19990426; JP H0540486 A 19930219

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