

Title (en)
FEEDBACK ADAPTIVE NOISE CANCELLATION (ANC) CONTROLLER AND METHOD HAVING A FEEDBACK RESPONSE PARTIALLY PROVIDED BY A FIXED-RESPONSE FILTER

Title (de)
RÜCKKOPPLUNGSSTEUERGERÄT FÜR ADAPTIVE RAUSCHUNTERDRÜCKUNG (ANC) UND VERFAHREN MIT TEILWEISE DURCH EINEN FIXED-RESPONSE-FILTER BEREITGESTELLTER RÜCKKOPPLUNGSREAKTION

Title (fr)
CONTRÔLEUR D'ÉLIMINATION DE BRUIT ADAPTATIF DE RÉTROACTION (ANC) ET PROCÉDÉ AYANT UNE RÉPONSE DE RÉTROACTION PARTIELLEMENT FOURNIE PAR UN FILTRE À RÉPONSE FIXE

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EP 3338279 A1 20180627 (EN)

Application
EP 16763937 A 20160819

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• IB 2016001234 W 20160819

Abstract (en)
[origin: CN108140380A] A controller for an adaptive noise canceling (ANC) system simplifies the design of a stable control response by making the ANC gain of the system independent of a secondary path extending from a transducer of the ANC system to a sensor of the ANC system that measures the ambient noise. The controller includes a fixed filter having a predetermined fixed response, and a variable filter coupled together. The variable response filter compensates for variations of a transfer function of a secondary path that includes at least a path from a transducer of the ANC system to a sensor of the ANC system, so that the ANC gain is independent of the variations in the transfer function of the secondary path.

IPC 8 full level
G10K 11/178 (2006.01); **G10L 21/028** (2013.01)

CPC (source: EP US)
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CN 201680061514 A 20160819; EP 16763937 A 20160819