

Title (en)

ADAPTIVE MICROPHONE ARRAY SYSTEM WITH PRESERVING BINAURAL CUES

Title (de)

ADAPTIVES MIKROFON-ARRAY-SYSTEM MIT ERHALTUNG BINAURALER HINWEISE

Title (fr)

SYSTEME DE RESEAU ADAPTATIF DE MICROPHONES AVEC PRESERVATION DES SIGNAUX BIAURICULAIRES

Publication

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Application

EP 01942048 A 20010605

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Abstract (en)

[origin: WO0203749A3] A microphone system using left and right microphones produces good binaural cues as well as noise reduction by using two adaptive filters (56, 58). A noise enhanced reference signal (46) is sent to two different adaptive filters (56, 58). The output of each adaptive filter is combined with the left or right microphone signal, respectively, to produce left and right output signals. These left and right output signals are used as the error signals to modify the coefficients of the adaptive filters (56, 58). By using two adaptive filters, each of the adaptive filters is able to independently operate helping to preserve the binaural cues.

IPC 8 full level

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CPC (source: EP)

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