

Title (en)

COMPENSATION AND AUTOMATIC GAIN CONTROL IN ACTIVE NOISE REDUCTION DEVICES

Title (de)

KOMPENSATION UND AUTOMATISCHE VERSTÄRKUNGSREGELUNG BEI AKTIVEN RAUSCHMINDERUNGSVORRICHTUNGEN

Title (fr)

COMPENSATION ET COMMANDE AUTOMATIQUE DE GAIN DANS DE DISPOSITIFS DE RÉDUCTION ACTIVE DU BRUIT

Publication

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Application

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Abstract (en)

[origin: WO2018183714A2] The technology described in this document can be embodied in a method that includes receiving an input signal representing audio captured by a microphone of an active noise reduction (ANR) headphone, and processing, by a first compensator, a first frequency range of the input signal to generate a first signal for an acoustic transducer of the ANR headphone. The method also includes processing, by a second compensator disposed in parallel to the first compensator, a second frequency range of the input signal to generate a second signal for the acoustic transducer. The first frequency range includes frequencies higher than the frequencies in the second frequency range. The method also includes detecting, by one or more processing devices, that the second signal satisfies a threshold condition, and attenuating the second signal responsive to determining that the second signal satisfies the threshold condition.

IPC 8 full level

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