

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
EP 3618058 A1 20200304 (EN)

Application
EP 19201934 A 20180329

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- US 201715473889 A 20170330
- US 201715473939 A 20170330
- EP 18718353 A 20180329
- US 2018025196 W 20180329

Abstract (en)

A method comprising: receiving an input signal captured by one or more sensors associated with an ANR headphone; determining, by one or more processing devices in an ANR signal flow path, one or more characteristics of a first portion of the input signal; automatically adjusting, by the one or more processing devices based on the one or more characteristics of the first portion of the input signal, a gain of a variable gain amplifier (VGA) disposed in the ANR signal flow path; selecting, by the one or more processing devices, a set of coefficients for a tunable digital filter disposed in the ANR signal flow path, wherein the set of coefficients are selected in accordance with the gain of the VGA; and processing a second portion of the input signal in the ANR signal flow path using the adjusted gain and selected set of coefficients to generate a second output signal for an electroacoustic transducer of the ANR headphone.

IPC 8 full level
G10K 11/178 (2006.01); H04R 1/10 (2006.01)

CPC (source: CN EP)
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Citation (applicant)

- US 8073150 B2 20111206 - JOHO MARCEL [US], et al
- US 8073151 B2 20111206 - JOHO MARCEL [US], et al
- US 9082388 B2 20150714 - ANNUNZIATO KEVIN P [US], et al

Citation (search report)

- [XYI] US 2011243343 A1 20111006 - GAUGER JR DANIEL M [US], et al
- [YA] US 2010260345 A1 20101014 - SHRIDHAR VASANT [US], et al

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