

Title (en)

ADAPTIVE AUDIO CONTROL DEVICE AND METHOD BASED ON SCENARIO IDENTIFICATION

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ADAPTIVEN AUDIOSTEUERUNG AUF BASIS VON SZENARIOIDENTIFIZIERUNG

Title (fr)

DISPOSITIF ET PROCÉDÉ DE CONTRÔLE AUDIO ADAPTATIF BASÉ SUR UNE IDENTIFICATION DE SCÉNARIO

Publication

**EP 3672274 A1 20200624 (EN)**

Application

**EP 19741628 A 20190107**

Priority

- CN 201810043127 A 20180117
- CN 2019070657 W 20190107

Abstract (en)

The present application discloses an adaptive audio control method and a system based on scenario identification. The method comprises: acquiring acceleration data of a user, and analyzing a use scenario of the user according to the acceleration data; acquiring an ambient sound signal of the surrounding environment of the user, calculating a sound level intensity of the ambient sound signal, and analyzing an energy and a spectral distribution of the ambient sound signal; and controlling, according to the use scenario, the sound level intensity of the ambient sound signal, and the energy and the spectral distribution of the ambient sound signal, an audio signal volume, and an active noise cancellation level, and regulation of the ambient sound signal of an audio playback device. The method further enables acquisition of geographic location data of the user and uses the same, as well as acceleration data, for analysis of the use scenario of the user. By adoption of the above solution more flexible and convenient audio playback control can be realized.

IPC 8 full level

**H04R 1/10** (2006.01)

CPC (source: CN EP)

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Cited by

US11302298B2; WO2022132721A1; US11468875B2; US11887576B2; EP3869821B1

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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