

Title (en)

Electronic device for receiving and transmitting audio signals

Title (de)

Elektronische Vorrichtung zum Empfangen und Übertragen von Audiosignalen

Title (fr)

Dispositif électronique pour la réception et la transmission de signaux audio

Publication

EP 2362680 A1 20110831 (EN)

Application

EP 10154415 A 20100223

Priority

EP 10154415 A 20100223

Abstract (en)

The present invention relates to an electronic device (10) for receiving and transmitting audio signals. In order to provide an electronic device which sufficiently allows filtering out background noise from audio signals and which further allows creating and/or using context information with regard to such background noise, said electronic device (10) comprises a first microphone (11) for detecting audio signals, at least one second microphone (12) for detecting audio signals, a processing unit (13) for receiving said audio signals from the at least two microphones (11, 12), for processing said audio signals and for filtering out background noise from said audio signals and a communication processing unit (14) for transmitting (15) the remaining audio signals to an electronic receiver device (16). Advantageously, said electronic device (10) further comprises an application interface (21) to an application processing unit (20), upon which specific inquiries to the processing unit (13) can be generated.

IPC 8 full level

H04R 3/00 (2006.01); **H04M 1/03** (2006.01); **H04R 1/40** (2006.01)

CPC (source: EP)

G10L 21/0216 (2013.01); **H04R 3/005** (2013.01); **G10L 2021/02166** (2013.01)

Citation (applicant)

- DE 10049738 A1 20020606 - GIERTHMUEHLEN MORTIMER [DE]
- US 2002006207 A1 20020117 - MATERO JUHA [FI], et al

Citation (search report)

- [X] WO 2007120734 A2 20071025 - NOISE FREE WIRELESS INC [US], et al
- [A] US 5727072 A 19980310 - RAMAN VIJAY RANGAN [US]

Citation (examination)

MICHAEL M P: "Energy awareness for mobile devices", INTERNET CITATION, 2005, XP002376727, Retrieved from the Internet <URL:http://www.cs.helsinki.fi/u/kraatika/Courses/EnergyAwareness2005/Michael.pdf> [retrieved on 20060412]

Cited by

CN103873980A; CN110832558A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2362680 A1 20110831

DOCDB simple family (application)

EP 10154415 A 20100223