

Title (en)

Microphone/headphone audio headset comprising a means for suppressing noise in a speech signal, in particular for a hands-free telephone system

Title (de)

Kombinierte Audioeinheit bestehend aus Mikrofon und Kopfhörer, die Mittel zur Geräuschkämpfung eines nahen Wortsignals umfasst, insbesondere für eine telefonische Freisprechanlage

Title (fr)

Combiné audio micro/casque comprenant des moyens de débruitage d'un signal de parole proche, notamment pour un système de téléphonie "mains libres"

Publication

EP 2518724 B1 20131002 (FR)

Application

EP 12164777 A 20120419

Priority

FR 1153572 A 20110426

Abstract (en)

[origin: EP2518724A1] The headset has a physiological sensor (18) provided in an insulating cushion of a closed shell of one of earpieces. A microphone set has front and rear microphones (20, 22) placed on the shell and aligned to form a linear array in a main direction toward a mouth of a wearer. A combiner-and-phase shifter (56) reduces non-frequency noise of speech signal and includes a combiner for applying a delay to a signal delivered by the microphone and subtracting a signal delivered by another microphone from the delay signal so as to remove noise from a near speech signal uttered by the wearer.

IPC 8 full level

G10L 21/02 (2013.01); **G10L 21/0208** (2013.01); **G10L 21/0216** (2013.01); **H04R 3/00** (2006.01)

CPC (source: EP US)

G10L 21/0208 (2013.01 - EP US); **G10L 21/0364** (2013.01 - EP US); **H04R 1/1083** (2013.01 - EP); **H04R 3/005** (2013.01 - EP US); **G10L 2021/02085** (2013.01 - EP US); **G10L 2021/02165** (2013.01 - EP US); **H04R 2460/13** (2013.01 - EP US)

Cited by

EP2945399A1; CN110265056A; FR3019422A1; EP3163572A1; FR3021180A1; CN105100990A; EP3171612A1; WO2015144708A1; US9466281B2

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2518724 A1 20121031; **EP 2518724 B1 20131002**; CN 102761643 A 20121031; CN 102761643 B 20170412; FR 2974655 A1 20121102; FR 2974655 B1 20131220; JP 2012231468 A 20121122; JP 6017825 B2 20161102; US 2012278070 A1 20121101; US 8751224 B2 20140610

DOCDB simple family (application)

EP 12164777 A 20120419; CN 201210124682 A 20120425; FR 1153572 A 20110426; JP 2012100555 A 20120426; US 201213450361 A 20120418