

Title (en)
METHOD FOR EVALUATING A USEFUL SIGNAL AND AUDIO DEVICE

Title (de)
VERFAHREN ZUM SCHÄTZEN EINES NUTZSIGNALS UND HÖRVORRICHTUNG

Title (fr)
PROCÉDÉ D'ESTIMATION D'UN SIGNAL UTILE ET DISPOSITIF AUDITIF

Publication
EP 2982136 A1 20160210 (DE)

Application
EP 14710644 A 20140227

Priority
• DE 102013205790 A 20130402
• IB 2014059290 W 20140227

Abstract (en)
[origin: WO2014162214A1] The invention concerns a high-performance method for evaluating a useful signal of an audio device, and in particular of an audio apparatus, for example for reducing interference. Accordingly the invention proposes a method in which at least two microphone signals are each obtained from a sound signal and a reference signal (n) is obtained from the microphone signals (x), a portion of the microphone signals (x) from a predetermined direction being blocked. The microphone signals are filtered by a filter (FILT) such that an evaluation signal (S~q) is obtained. To that end, a coherence value (Γ) is determined from portions of the reference signal (n) and a power density value (S) is determined from the coherence value. The filter is parameterized on the basis of the power density value (S).

IPC 8 full level
H04R 25/00 (2006.01)

CPC (source: EP US)
H04R 25/407 (2013.01 - EP US); **H04R 25/43** (2013.01 - US); **G10L 2021/02165** (2013.01 - US); **G10L 2021/02168** (2013.01 - US);
H04R 2460/01 (2013.01 - US)

Citation (search report)
See references of WO 2014162214A1

Cited by
EP2982136B1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102013205790 A1 20141002; DE 102013205790 B4 20170706; DK 2982136 T3 20180924; EP 2982136 A1 20160210;
EP 2982136 B1 20180613; US 2016029130 A1 20160128; US 9736599 B2 20170815; WO 2014162214 A1 20141009

DOCDB simple family (application)
DE 102013205790 A 20130402; DK 14710644 T 20140227; EP 14710644 A 20140227; IB 2014059290 W 20140227;
US 201514873396 A 20151002