

Title (en)

Method and apparatus for interference suppression in the output signal of a sound transducer

Title (de)

Verfahren und Vorrichtung zur Unterdrückung eines Störsignals im Ausgangssignal eines Schallwandlermittels

Title (fr)

Procédé et dispositif pour la suppression d'interférence d'un signal de sortie d'un transducteur acoustique

Publication

EP 1102243 A3 20011107 (DE)

Application

EP 00125116 A 20001117

Priority

DE 19955156 A 19991117

Abstract (en)

[origin: EP1102243A2] The method involves generating a noise signal reference and performing spectral subtraction (20). The sound transducer has a pressure gradient sensor with a sensitivity minimum for a definable spatial angle aligned with the useful signal source. The noise signal reference (21) is generated from the output signal of the pressure gradient sensor. The sensitivity minimum can be a null sensitivity point. Independent claims are also included for the following: an arrangement for suppressing a noise signal in a sound transducer output signal.

IPC 1-7

G10L 21/02; H04R 1/38

IPC 8 full level

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CPC (source: EP)

G10L 21/02 (2013.01); **G10L 21/0208** (2013.01); **G10L 2021/02165** (2013.01)

Citation (search report)

- [AD] US 5610991 A 19970311 - JANSE CORNELIS PIETER [NL]
- [A] ELKO G W: "Microphone array systems for hands-free telecommunication", SPEECH COMMUNICATION, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 20, no. 3, 1 December 1996 (1996-12-01), pages 229 - 240, XP004016547, ISSN: 0167-6393

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