

Title (en)

A METHOD FOR ELECTRONICALLY BEAM FORMING ACOUSTICAL SIGNALS AND ACOUSTICAL SENSOR APPARATUS

Title (de)

VERFAHREN ZUR ELEKTRONISCHEN STRAHLFORMUNG VON AKUSTISCHEN SIGNALEN UND AKUSTISCHES SENSORGERÄT

Title (fr)

PROCEDE DE MISE EN FORME ELECTRONIQUE DE FAISCEAUX DE SIGNAUX ACOUSTIQUES ET DETECTEUR ACOUSTIQUE

Publication

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Application

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Abstract (en)

[origin: EP0820210A2] A predetermined characteristic of amplification in dependency of the direction (θ) from which acoustical signals are received at two spaced apart acoustical/electrical transducers (1, 2) is formed in that repetitively a mutual delay signal (A10) is determined from the output signals of the transducers and according to the reception delay at the transducers, one (S1) of the output signals is filtered, thereby the filtering transfer characteristic is controlled in dependency of the mutual delay signal (A12). The output signal of the filtering (14) is exploited as electrical reception signal (Sr). <IMAGE>

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Citation (search report)

See references of WO 9909786A1

Cited by

DE10331956C5; WO2011027005A2; EP2192794A1; EP2306457A1; US7209568B2; WO2012010195A1; EP2088802A1

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