

Title (en)

A METHOD AND A COUPLING FOR REDUCING THE HARMONIC DISTORTION OF A CAPACITIVE TRANSDUCER

Title (de)

VERFAHREN UND KUPPLUNG ZUR VERMINDERUNG DER HARMONISCHEN VERZERRUNG EINES KAPAZITIVEN WANDLERS

Title (fr)

PROCEDE ET COUPLAGE POUR LA REDUCTION DE LA DISTORSION HARMONIQUE D'UN TRANSDUCTEUR CAPACITIF

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9423547A1] A method and a coupling for reducing the harmonic distortion of a capacity transducer (1), such as a microphone, such as a capacitor microphone, the capacity (Ck) of which is altered in response to a sound pressure on the capacitor electrode (the membrane) by means of a negative capacity. According to the invention the negative capacity is coupled in parallel to the accoustic transducer (1) and dimensioned so as to eliminate the effect of the undesired capacities (CS) causing the distortion. In this manner the harmonic distortion of the capacity transducer (1) is reduced to a minimum.

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