

Title (en)

MICROPHONE USING A MAGNETO-ELASTIC EFFECT

Title (de)

MIKROPHON UNTER VERWENDUNG EINES MAGNETOELASTISCHEN EFFEKTS

Title (fr)

MICROPHONE UTILISANT UN EFFET MAGNÉTO-ÉLASTIQUE

Publication

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Application

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Abstract (en)

[origin: WO2012062514A1] The present invention relates to a microphone and to a method for capturing sound. Such a microphone is intended to be able to be used particularly for low-frequency sound or pressure changes. Furthermore, ambient noise is intended to cause no interference. The invention is distinguished in that at least one ferromagnetic material (1) which is acoustically coupled to the sound waves and which is capable of vibration is provided, wherein at least one coil (3) inductively coupled to the material (1) is produced for the purpose of converting permeability changes in the material (1) into an electrical alternating quantity.

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