

Title (en)

Component with a micromechanical microphone structure and method for operating such a component

Title (de)

Bauelement mit einer mikromechanischen Mikrofonstruktur und Verfahren zum Betreiben eines solchen Bauelements

Title (fr)

Composant doté d'une structure de microphone micromécanique et procédé de fonctionnement d'un tel composant

Publication

EP 2214421 B1 20140423 (DE)

Application

EP 09178802 A 20091211

Priority

DE 102009000583 A 20090203

Abstract (en)

[origin: EP2214421A1] The component (10) has an acoustic permeable counter element (12) including a counter electrode (22). A feeding unit feeds charging voltage between a membrane (11) and the electrode. Another acoustic permeable counter element (13) is provided with a compensation electrode (33). The membrane is arranged between the electrode and the compensation electrode, and another feeding unit feeds compensation voltage between the electrodes. The compensation voltage is regulated independent of the charging voltage and voltage that is changed based on deflection between the membrane and counter electrodes. Independent claims are also included for the following: (1) a method for operating a component with a micromechanical microphone structure (2) a method for manufacturing a component with a micromechanical microphone structure.

IPC 8 full level

H04R 19/00 (2006.01)

CPC (source: EP)

H04R 19/005 (2013.01)

Cited by

CN103404170A; CN102665161A; ITTO20130225A1; CN103404172A; US2014037121A1; US9197967B2; CN106231519A; DE112011105008B4; DE102021206005A1; US8965008B2; US8625823B2; US9226079B2; US9233834B2; WO2012119637A1; WO2012119610A1; US9369804B2

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DOCDB simple family (publication)

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