

Title (en)  
ACOUSTIC DEVICE

Title (de)  
AKUSTISCHE VORRICHTUNG

Title (fr)  
DISPOSITIF ACOUSTIQUE

Publication  
**EP 2433432 A1 20120328 (FR)**

Application  
**EP 10728797 A 20100520**

Priority  
• FR 2010050982 W 20100520  
• FR 0953396 A 20090520

Abstract (en)  
[origin: WO2010133812A1] The invention relates to an acoustic device including an acoustic contact microphone (4), an arch (10) for maintaining the microphone (4) against a side of the skull, said microphone (4) including a transducer for mechanically stimulating bone, wherein the transducer can receive a sound signal from the vocal cords by bone conduction and convert said sound signal into an electric signal. The acoustic device is characterized in that it comprises, connected to the transducer output, an electronic corrective filtering circuit for applying, depending on the frequency, a correction coefficient to the electric signal generated by the transducer in order to obtain a corrected signal that differs by only 10 decibels from the electric signal of an aerial acoustic microphone detecting variations in air pressure.

IPC 8 full level  
**H04R 3/04** (2006.01); **H04R 1/46** (2006.01); **H04R 5/033** (2006.01)

CPC (source: EP)  
**H04R 3/04** (2013.01); **H04R 1/46** (2013.01); **H04R 5/033** (2013.01); **H04R 2460/13** (2013.01)

Citation (search report)  
See references of WO 2010133812A1

Citation (examination)  
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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2010133812 A1 20101125**; EP 2433432 A1 20120328; FR 2945904 A1 20101126; FR 2945904 B1 20110729

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**FR 2010050982 W 20100520**; EP 10728797 A 20100520; FR 0953396 A 20090520