

Title (en)  
MAGNITUDE AND PHASE CORRECTION OF A HEARING DEVICE

Title (de)  
MAGNITUDEN- UND PHASENKORREKTUR EINES HÖRGERÄTS

Title (fr)  
CORRECTION DE L'AMPLITUDE ET DE LA PHASE D'UN DISPOSITIF AUDITIF

Publication  
**EP 3482572 A4 20200520 (EN)**

Application  
**EP 16908313 A 20160707**

Priority  
US 2016041298 W 20160707

Abstract (en)  
[origin: WO2018009194A1] A method for correcting magnitude and phase distortion in open ear hearing devices includes determining the insertion effect of the hearing device (12) substantially at the ear drum (11) when in the ear. Both the magnitude and phase response of the complex insertion transfer function (ITF) are corrected when the transfer function to the ear drum substantially matches the transfer function without the hearing device in place.

IPC 8 full level  
**H04R 25/00** (2006.01); **H04R 1/10** (2006.01)

CPC (source: EP KR)  
**H04R 1/1016** (2013.01 - EP); **H04R 25/505** (2013.01 - EP KR); **H04R 2460/05** (2013.01 - EP KR); **H04S 2420/01** (2013.01 - EP KR)

Citation (search report)

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- [YA] WO 0001196 A1 20000106 - RESOUND CORP [US]
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- [A] EP 1750483 A1 20070207 - GN RESOUND AS [DK]
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- See references of WO 2018009194A1

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 RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2018009194 A1 20180111**; AU 2016413718 A1 20190214; CA 3032573 A1 20180111; CN 109716792 A 20190503; CN 109716792 B 20210817; EP 3482572 A1 20190515; EP 3482572 A4 20200520; JP 2019520769 A 20190718; JP 6954986 B2 20211027; KR 102596749 B1 20231101; KR 20190025993 A 20190312; MX 2019000303 A 20191015

DOCDB simple family (application)  
**US 2016041298 W 20160707**; AU 2016413718 A 20160707; CA 3032573 A 20160707; CN 201680088987 A 20160707; EP 16908313 A 20160707; JP 2019500379 A 20160707; KR 20197003508 A 20160707; MX 2019000303 A 20160707