

Title (en)  
HEARING AUGMENTATION SYSTEMS AND METHODS

Title (de)  
HÖRVERSTÄRKUNGSSYSTEME UND -VERFAHREN

Title (fr)  
SYSTÈMES ET PROCÉDÉS D'AMÉLIORATION DE L'AUDITION

Publication  
**EP 3414924 A4 20190911 (EN)**

Application  
**EP 17750606 A 20170206**

Priority

- US 201662292809 P 20160208
- US 201662292814 P 20160208
- US 201662292803 P 20160208
- US 201662292804 P 20160208
- US 201662292807 P 20160208
- US 201662357469 P 20160701
- US 2017016660 W 20170206

Abstract (en)  
[origin: WO2017139218A1] Various systems and methods are disclosed herein to increase the quality of the sound delivered to a user and allow personalization to optimize listening performance and comfort under atypical listening conditions, environment specific adjustment, and data capture to assist in the personalization of the system to the user's needs and preferences. Features disclosed include sound level rating systems that aggregate noise data detected by user's mobile phones or hearing devices to provide a database of real-time noise levels. Additionally, a user's sound settings may be saved in the system by location so that they may be recalled when re-entering a specific location. A remote clinician may tune a hearing device, or a user can tune the device using a pre-recorded audio sample. Also, a user may replay the last X seconds of audio recorded by their hearing device.

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Citation (search report)

- [X] WO 02089520 A2 20021107 - RIBIC GMBH [AT], et al
- [X] US 2011293123 A1 20111201 - NEUMEYER FREDERICK CHARLES [US], et al
- [A] US 2011280422 A1 20111117 - NEUMEYER FREDERICK CHARLES [US], et al
- [A] US 2015003652 A1 20150101 - BISGAARD NIKOLAI [DK], et al
- See references of WO 2017139218A1

Designated contracting state (EPC)  
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**US 2017016660 W 20170206**; EP 17750606 A 20170206; EP 20152972 A 20170206