

# *K/S HIMPP v. III Holdings 4, LLC*

**IPR2017-00781 and IPR2017-00782**

## **Patent Owner's Demonstratives**

**U.S. Patent No. 8,654,999**

**May 1, 2018**

# Agenda

Overview of the '999 Patent

The instituted grounds

Claim limitations not met by the prior art

Claim construction of “hearing correction filter”

The instituted grounds fail to teach a “hearing correction filter”

# The '999 Patent

(12) **United States Patent**  
**Mindlin, II et al.**

(10) **Patent No.:** US 8,654,999 B2  
 (45) **Date of Patent:** Feb. 18, 2014



**United States Patent**  
**Mindlin, II et al.**

(10) **Patent No.:** US 8,654,999 B2  
 (45) **Date of Patent:** Feb. 18, 2014

**SYSTEM AND METHOD OF PROGRESSIVE HEARING DEVICE ADJUSTMENT**

**Inventors:** Harold S. Mindlin, II, Austin, TX (US); David Matthew Landry, Austin, TX (US)

**Assignee:** Audiotoniq, Inc., Austin, TX (US)

**Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 296 days.

**Appl. No.:** 13/085,016

**Filed:** Apr. 12, 2011

**Prior Publication Data**

US 2011/0249839 A1 Oct. 13, 2011

**Related U.S. Application Data**

Provisional application No. 61/323,841, filed on Apr. 13, 2010, provisional application No. 61/305,759, filed on Jun. 2, 2010.

**Int. Cl.**  
**H04R 25/00** (2006.01)

**U.S. Cl.**  
 USPC ..... 381/314; 381/60; 381/312

(58) **Field of Classification Search**  
 USPC ..... 381/314  
 See application file for complete search history.

(56) **References Cited**  
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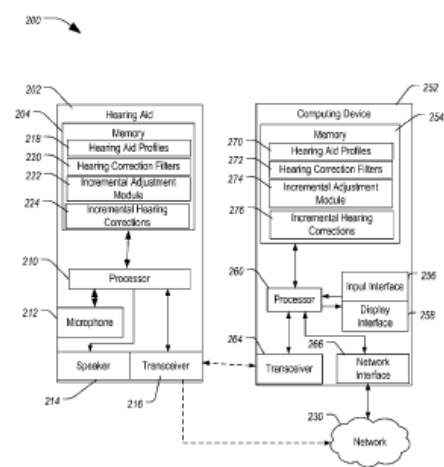
\* cited by examiner

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**Assistant Examiner** — Taunya McCarty  
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(57) **ABSTRACT**

A hearing aid includes a microphone to convert sound into an electrical signal and a processor coupled to the microphone. The processor is configured to apply a selected one of a sequence of incremental hearing corrections to the electrical signal to produce a modulated output signal to at least partially compensate for a hearing impairment of a user. The hearing aid further includes a speaker coupled to the processor and configured to convert the modulated output signal into an audible sound.

**20 Claims, 4 Drawing Sheets**



## SYSTEM AND METHOD OF PROGRESSIVE HEARING DEVICE ADJUSTMENT

**Filed:** Apr. 12, 2011

### Prior Publication Data

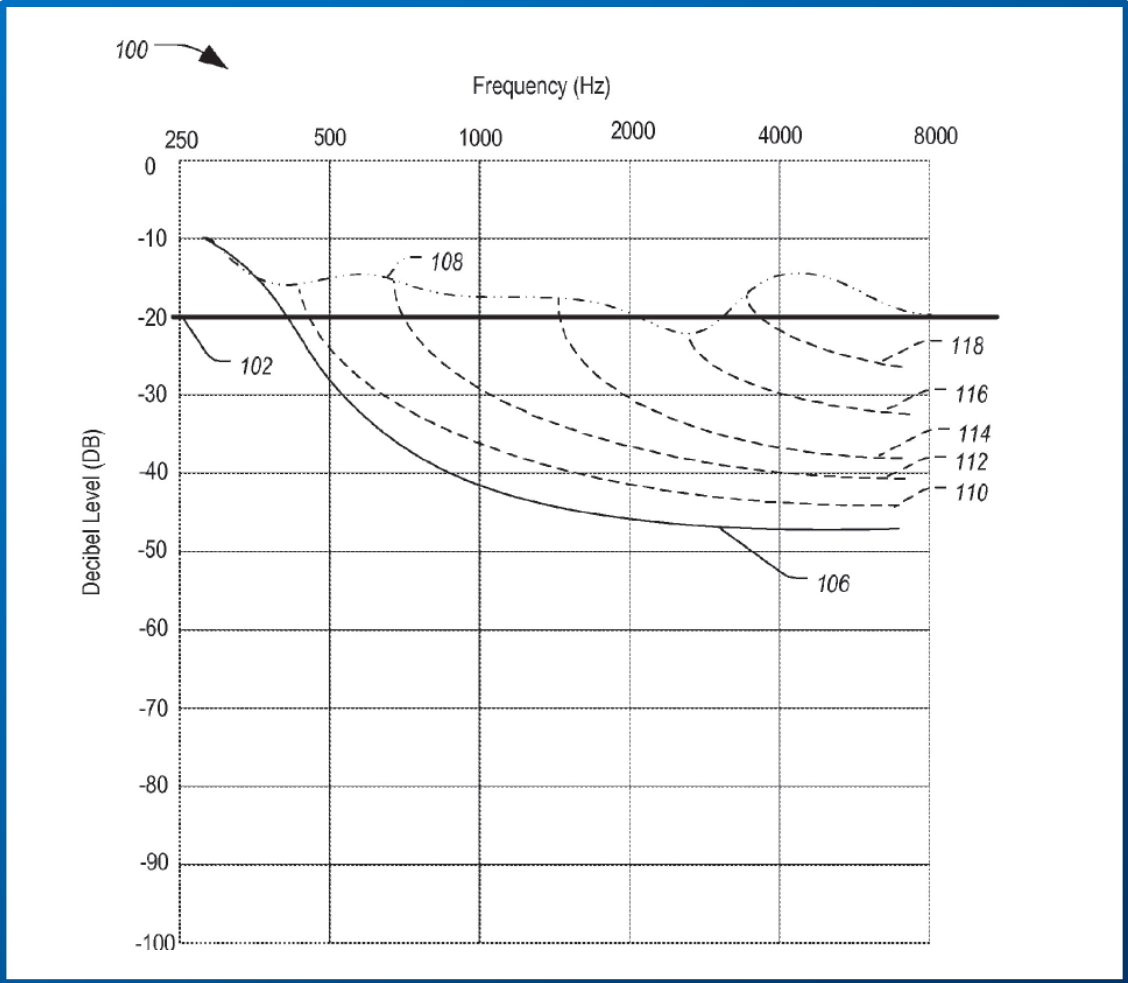
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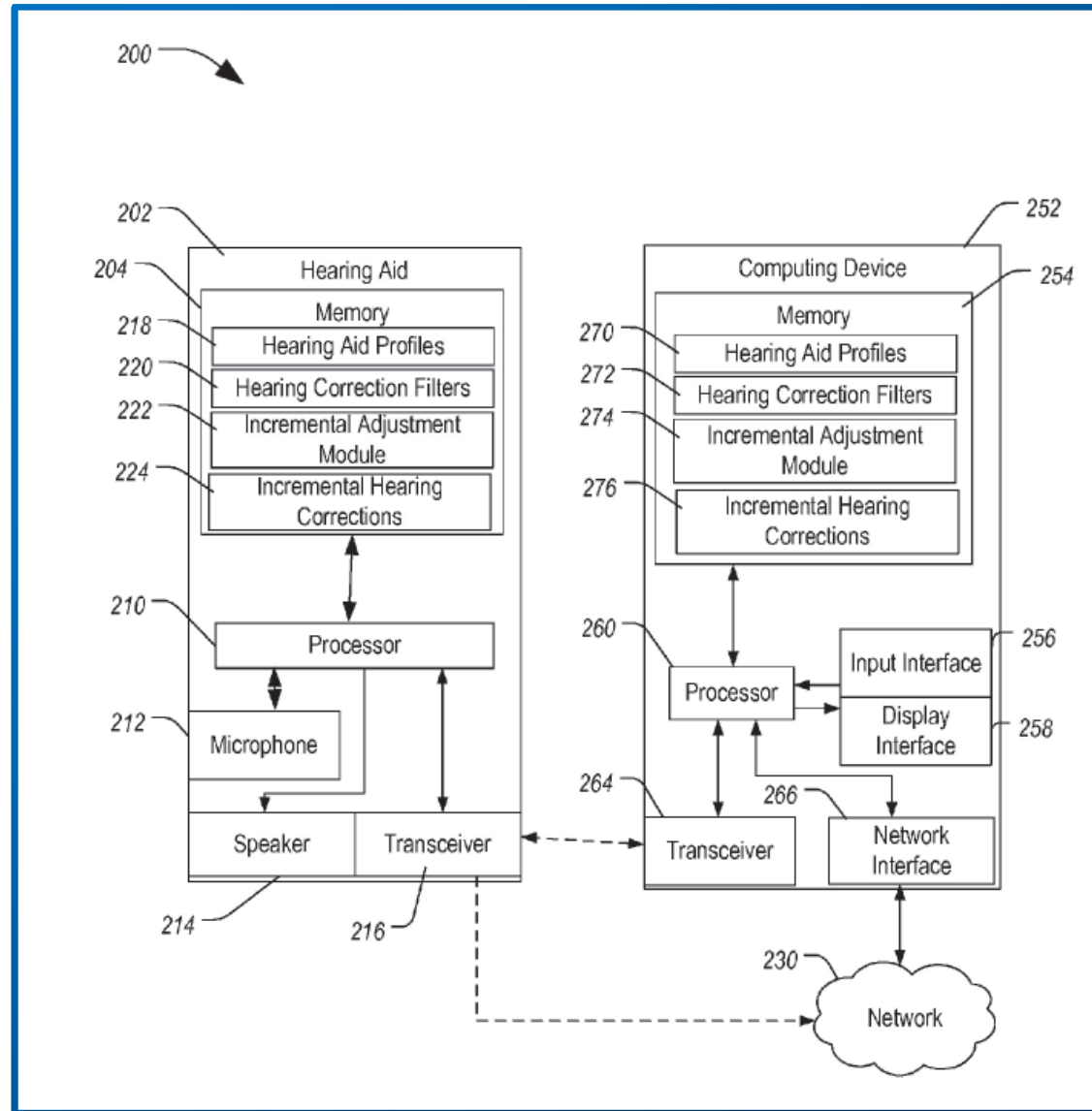
'999 Patent  
 Exh. 1001/1101

# The '999 Patent



Exh. 1001/1101, '999 Patent at Fig. 1  
-781/-782 POR at 5  
Exh. 2003/2103, Brown Decl. at ¶ 24

# The '999 Patent



Exh. 1001/1101, '999 Patent, Fig. 2  
-781/-782 POR at 6

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