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**Blomberg**

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(54) **TEMPORARY THRESHOLD SHIFT  
DETECTOR**

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(52) **U.S. Cl.** ..... **600/559; 73/585**

(58) **Field of Classification Search** ..... **600/559;**  
**73/585**

See application file for complete search history.

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(57) **ABSTRACT**

A method of detecting a change in hearing of a user includes providing a sound generating device for providing both a content audio signal and a hearing test audio signal. The sound generating device is used to provide hearing test audio sounds of different loudnesses around a threshold of hearing of the user. None of these sounds is calibrated to a pre-specified decibel level. A first threshold of hearing is determined at a first time and a second threshold of hearing is determined at a second time. The first threshold of hearing is compared with the second threshold of hearing.

**24 Claims, 20 Drawing Sheets**

