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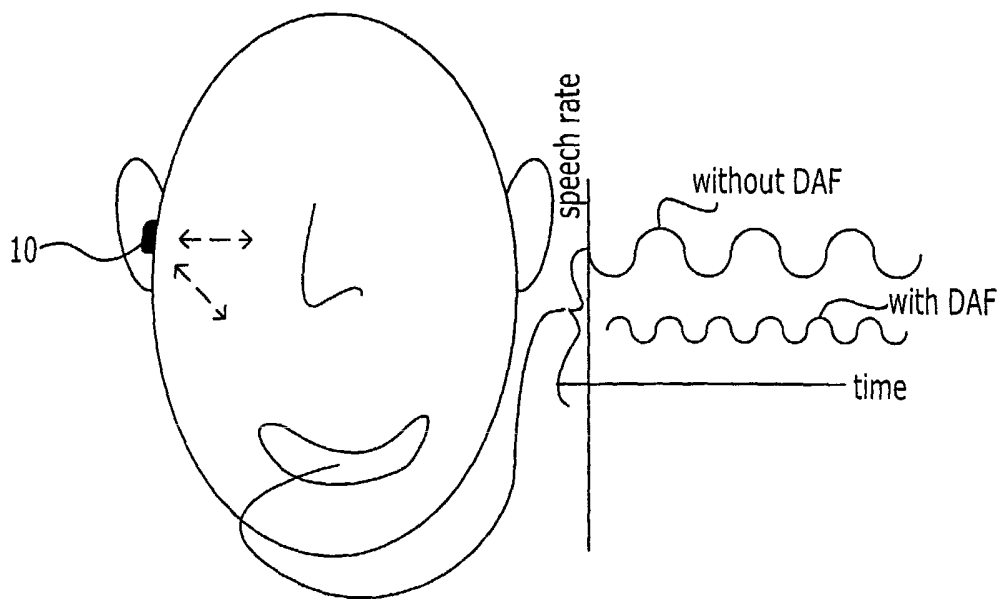
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(54) Title: NON-STUTTERING BIOFEEDBACK METHOD AND APPARATUS USING DAF



(57) Abstract: Methods, devices and systems treat non-stuttering speech and/or language related disorders by administering a delayed auditory feedback signal having a delay of under about 200 ms via a portable device. The DAF treatment may be delivered on a chronic basis. For certain disorders, such as Parkinson's disease, the delay is set to be under about 100 ms, and may be set to be even shorter such as about 50 ms or less. Certain methods treat cluttering (an abnormally fast speech rate) by exposing the individual to a DAF signal having a sufficient delay that automatically causes the individual to slow his or her speech rate.

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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 US CL : 600/023

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 600/023; 128/905; 704/271

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
x	US 6,231,500 B1 (KEHOE) 15 May 2001, see entire document.	1-43

Further documents are listed in the continuation of Box C.

See patent family annex.

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