

(19)



Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 1 624 719 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
12.04.2006 Bulletin 2006/15

(51) Int Cl.:
H04R 25/00 (2006.01)

(43) Date of publication A2:
08.02.2006 Bulletin 2006/06

(21) Application number: **05019858.9**

(22) Date of filing: **13.09.2005**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI
SK TR
 Designated Extension States:
AL BA HR MK YU

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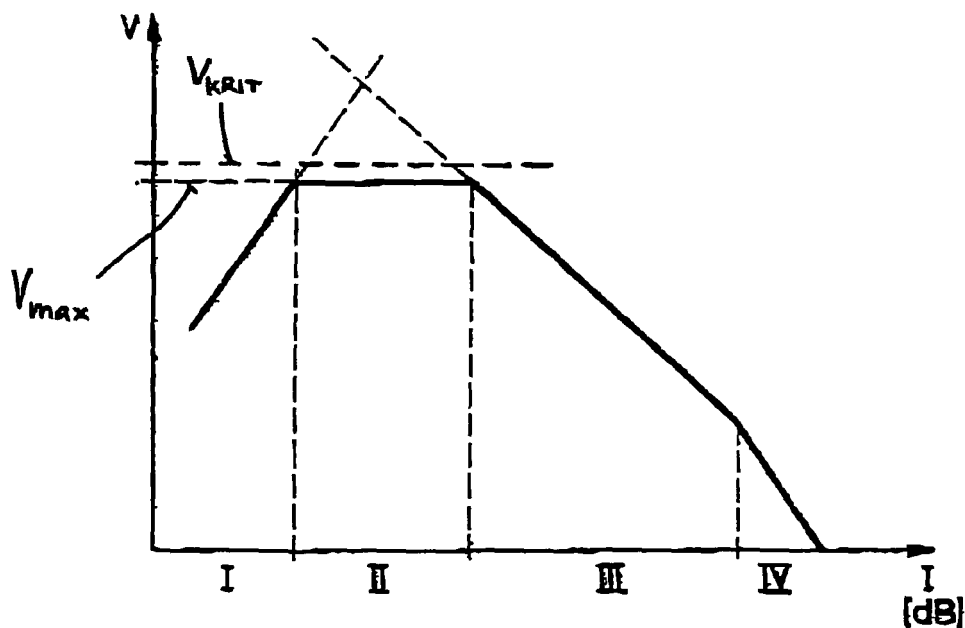
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(54) Method to determine a feedback threshold in a hearing device

(57) The present invention uses the fact that the gain during feedback in the forward path of a compressive system, as it is the case for a hearing device used to compensate a hearing loss, after having reached its steady state in "closed loop" operation, is equal to the feedback threshold gain (V_{KRIT}). The steady state is reached soon after having applied a low input signal level to the hearing device, which input signal level is below

55 dB SPL (Sound Pressure Level), for example, and would result, for the open loop compressive system, in a larger gain than the feedback threshold gain of the closed loop system, respectively, would result in the maximum possible hearing device gain (V_{max}) if maximum possible hearing device gain (V_{max}) is below feedback threshold gain (V_{KRIT}). The signal feedback gain is assessed in this steady state.

**FIG.4****EP 1 624 719 A3**



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EUROPEAN SEARCH REPORT

Application Number
EP 05 01 9858

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			H04R H03H H03F H04M A61F G10K H03G A61B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 20 February 2006	Examiner Timms, O
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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 05 01 9858

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