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(71) Applicant: **WIDEX A/S**
3540 Lyngø (DK)

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(72) Inventor: **KAULBERG, Thomas**
3660, STENLØSE (DK)

(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC:
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(74) Representative: **Nielsen, Kim Garsdal et al**
Awapatent A/S
Rigensgade 11
1316 Copenhagen K (DK)

(54) **A hearing aid**

(57) The present invention relates to a hearing aid with an adaptive filter for suppression of acoustic feedback in the hearing aid. The hearing aid further comprises a controller that is adapted to compensate for acoustic feedback by determination of a first parameter of an

acoustic feedback loop of the hearing aid and adjustment of a second parameter of the hearing aid in response to the first parameter whereby generation of undesired sounds is substantially avoided. Hereby a gain safety margin requirement is significantly reduced.

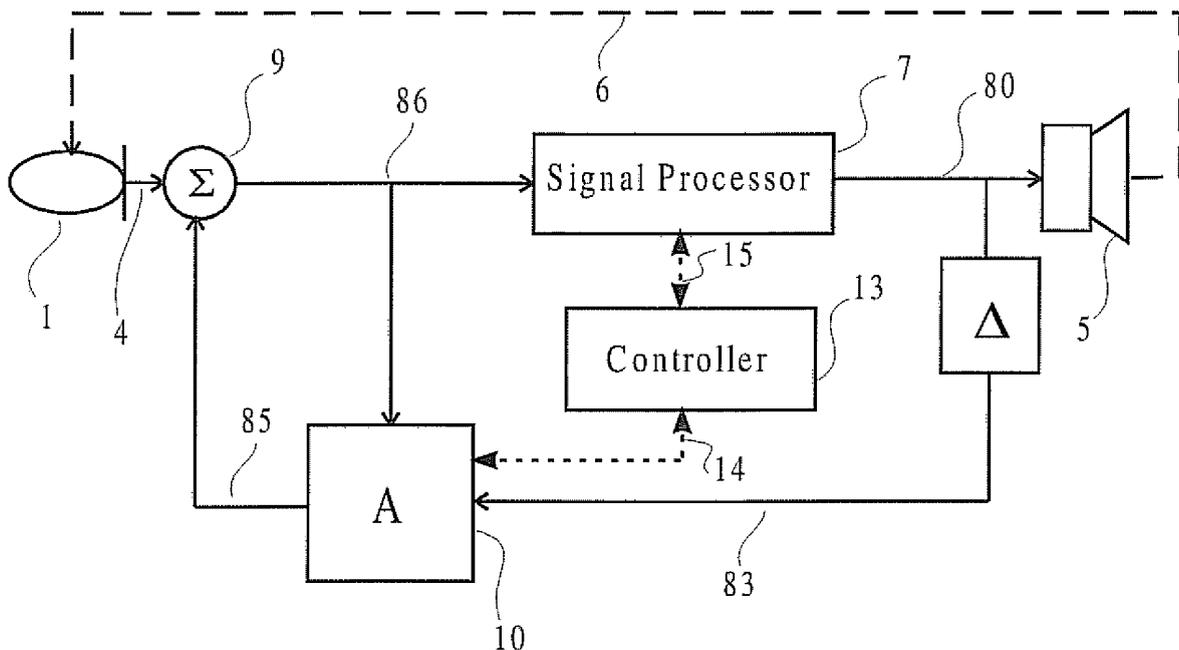


Figure 1



EUROPEAN SEARCH REPORT

Application Number
EP 09 15 5301

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 11 May 2010	Examiner Gastaldi, Giuseppe
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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EPO FORM 1503 03.82 (P04C01)

ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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