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(54) **METHOD AT A HEARING DEVICE**

(57) A method of processing an audio signal, comprising: at an ipsilateral hearing device (100) with a first input unit (110) including one or more microphones (112,113) and configured to generate a first directional input signal (F_L); a communications unit (120) configured to receive a second directional input signal (F_R) from a contralateral hearing device; an output unit (140); and a processor (130) coupled to the first input unit (110), the communications unit (120) and the output unit (140); determining one or both of a first gain value (α ; $H(k)$) and a second gain value ($1-\alpha$; $1-H(k)$); generating an intermediate signal (V) including a linear combination of the first directional input signal (F_L) and the second directional input signal (F_R), in accordance with one or both of the first gain value (α ; $H(k)$) and the second gain value ($1-\alpha$; $1-H(k)$); wherein one or both of the first gain value (α ; $H(k)$) and the second gain value ($1-\alpha$; $1-H(k)$) are determined in accordance with an objective of making a proportion of the first directional input signal (F_L) and a proportion of the second directional signal (F_R) at least substantially equal when combined; and generating an output signal (Z) for the output unit (140) based on the intermediate signal.

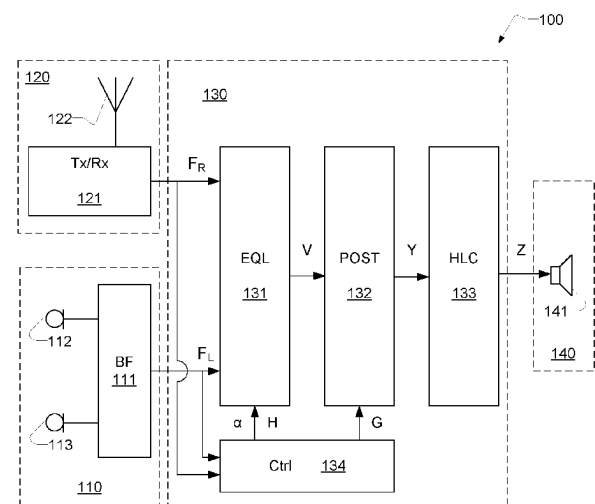


Fig. 1



EUROPEAN SEARCH REPORT

Application Number

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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			

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

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