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(54) **Method and system of sound processing**

(57) A method and a system of enhancing an output sound signal quality, for use in portable sound processing devices, that comprises steps of receiving sound from sound source (412) by a microphone array (402) and detecting a movement of this microphone array. The movement is detected by a platform motion sensor

(400). Current location of the sound source (412) relative to the microphone array is estimated in source location estimator (406) on the basis of the sound signal from the microphone array (402) and signals from the platform motion sensor (400). Results of this estimation are used by sound enhancing processor (408) for enhancing output sound signal quality.

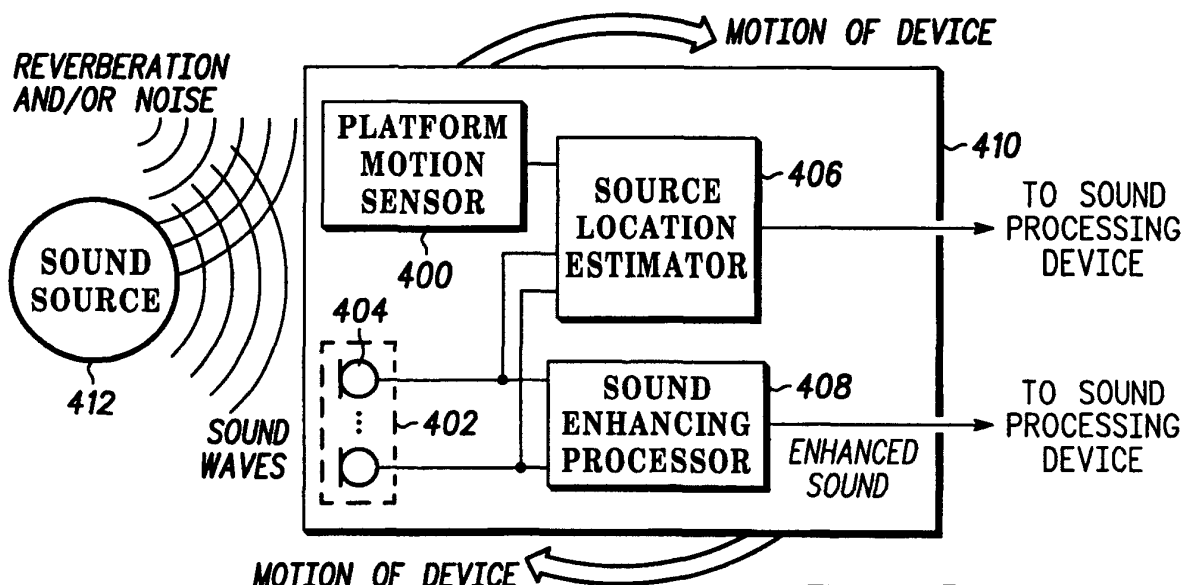


FIG. 4



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EUROPEAN SEARCH REPORT

Application Number
EP 02 00 9933

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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			H04R G10K
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 18 November 2003	Examiner Gerken, S
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 02 00 9933

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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