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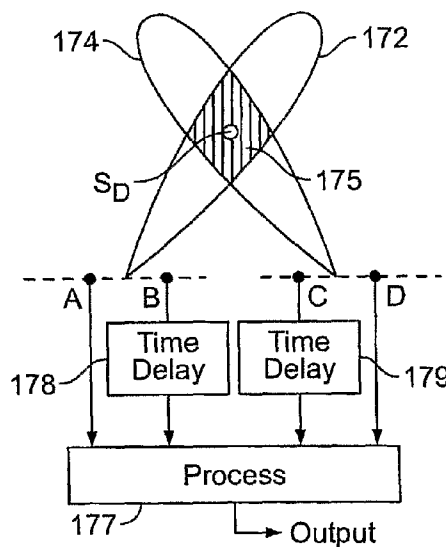
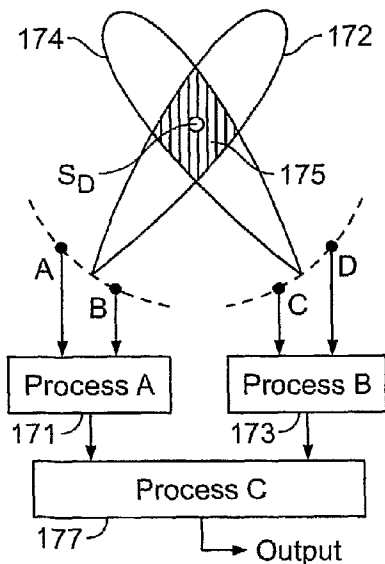
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND SYSTEM FOR ENHANCING REGIONAL SENSITIVITY NOISE DISCRIMINATION



(57) Abstract: Noise discrimination in signals from a plurality of sensors is conducted by enhancing the phase difference in the signals such that off-axis pick-up is suppressed while on-axis pick-up is enhanced. Alternatively, attenuation/expansion are applied to the signals in a phase difference dependent manner, consistent with suppression of off-axis pick-up and on-axis enhancement. Nulls between sensitivity lobes are widened, effectively narrowing the sensitivity lobes and improving directionality and noise discrimination.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/33059

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G01S 3/80 (2007.01)

USPC - 367/119

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)

IPC(8) - G01S 3/80; H03G 3/00, 5/00; H04B15/00 (2007.01)

USPC - 367/118, 119, 121, 123, 124, 125, 126, 129; 381/92, 94.1, 94.2, 94.7, 104, 106, 124

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)

MicroPatent

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,581,620 A (BRANDSTEIN et al) 03 December 1996 (03.12.1996) entire document	1-36
A	US 4,956,867 A (ZUREK et al) 11 September 1990 (11.09.1990) entire document	1-36
A	WO 01/91513 A2 (BELT et al) 29 November 2001 (29.11.2001) entire document	1-36

Further documents are listed in the continuation of Box C.

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"A" document defining the general state of the art which is not considered to be of particular relevance

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

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