

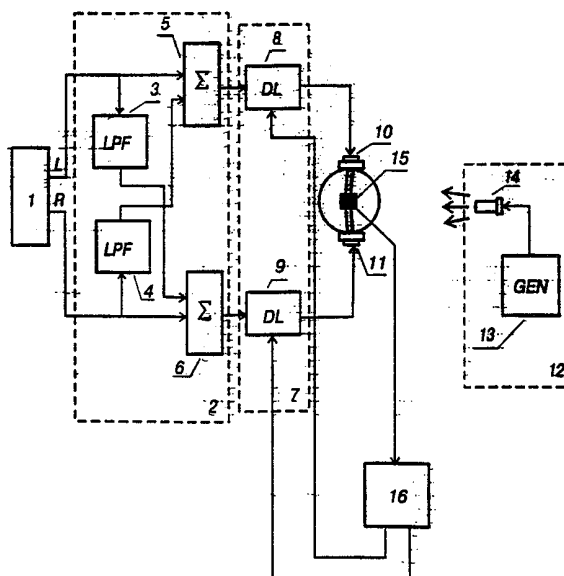


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(21) International Application Number: PCT/RU98/00355 (22) International Filing Date: 4 September 1998 (04.09.98) (30) Priority Data: 97114612 5 September 1997 (05.09.97) RU (71)(72) Applicant and Inventor: MANOUILOV, Mikhail Valentinovich [RU/RU]; ul. Svobody, 6/3-19, Moscow, 123362 (RU).		(81) Designated States: AU, JP, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 2 December 1999 (02.12.99)

(54) Title: ACOUSTIC SIGNAL REPRODUCING APPARATUS**(57) Abstract**

The present invention relates to the art of stereo sound reproducing systems. An acoustic signal reproducing apparatus comprises an acoustic stereo signal source (1) which generates at its outputs the left and right channel stereo signals and is connected to the inputs of stereo signal preprocessing means (2); the stereo signal preprocessing means (2) comprising first and second low-pass filters (3, 4) and first and second two-input adders (5, 6); a variable delay circuit (7) comprising first and second delay lines (8, 9) with their signal inputs connected to outputs of the stereo signal preprocessing means (2); sound signal reproducing means (10, 11) connected with their inputs to the outputs of the delay lines (8, 9); a reference signal source (12) comprising a reference signal generator (13) and a reference signal emitter (14); a reference signal receiver (15); and calculating means (16) for calculating an angular orientation of the listener's head.



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INTERNATIONAL SEARCH REPORT

International Application No

PCT/RU 98/00355

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 H04S1/00 H04S7/00 H04R5/033 G10K1/00

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 6 H04S H04R

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 practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 438 281 A (SONY CORP) 24 July 1991 (1991-07-24) cited in the application column 2, line 39 -column 3, line 55; figures ---	1-6
A	GB 2 282 306 A (SONY CORP) 29 March 1995 (1995-03-29) cited in the application page 5, line 26 -page 19, line 12; figures ---	1-6
A	US 3 962 543 A (BLAUERT JENS ET AL) 8 June 1976 (1976-06-08) column 2, line 50 -column 5, line 8; figures --- -/--	1-6

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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