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(54) **A microphone apparatus for a video camera.**

(57) A microphone apparatus for a video camera having a zoom lens, comprising: a superdirectional microphone for generating a superdirectional microphone signal D; a stereo microphone for generating stereo microphone signals L and R; a zoom position sensor for generating a zoom position signal; first and second signal means for generating control signals Vc1 and Vc2 which can be changed according to the zoom position signal; a first amplifier for generating a first amplified signal $K1 \cdot D$ ($K1$ is a

value corresponding to Vc1); a second amplifier for generating a second amplified signal $K2 \cdot L$ ($K2$ is a value corresponding to Vc2); a third amplifier for generating a third amplified signal $K2 \cdot R$; a first adder for generating a first sum signal ($k1 \cdot D + K2 \cdot L$); and a second adding means for generating a second sum signal ($k1 \cdot D + K2 \cdot R$). The directivity can be varied in accordance with the control of the zoom lens to suitably match images and sounds.

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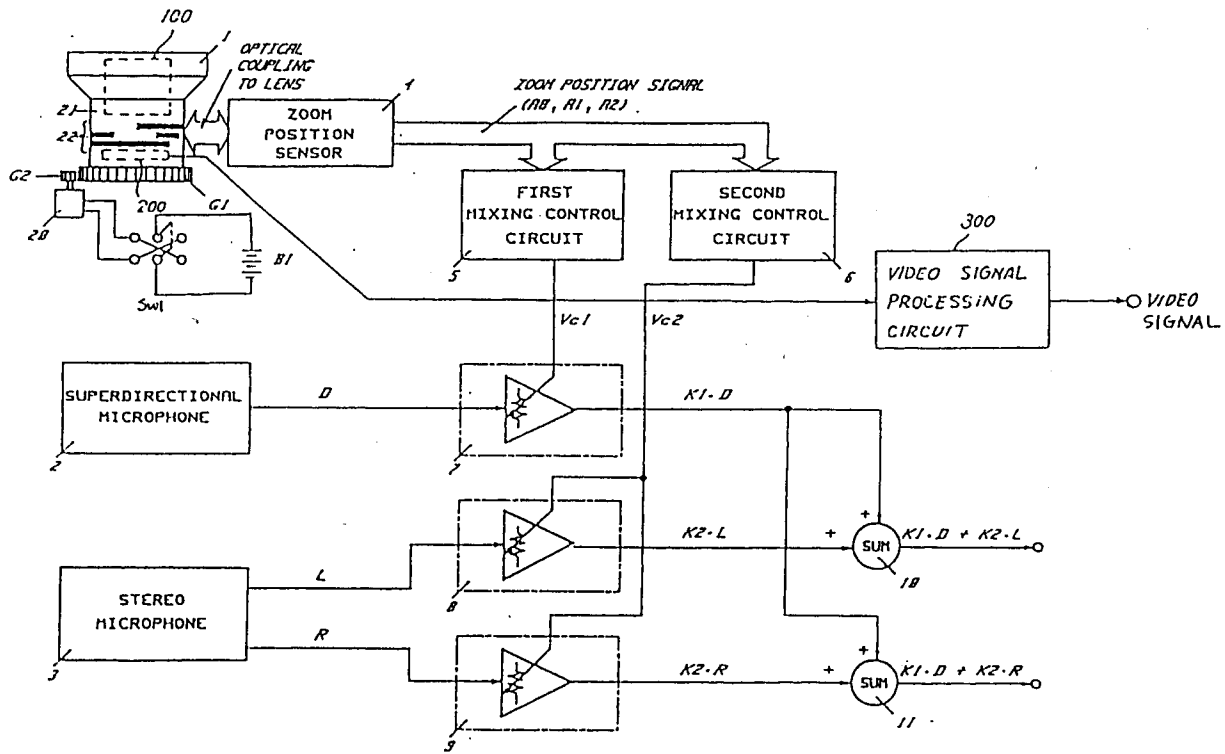


FIG. 1



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
Y	GB-A-1 116 746 (AKUSTISCHE UND KINOGERÄTE) -- --	1,6,9,11, 13,15	H 04 R 3/00 H 04 N 5/232
A	GB-A-1 116 746 (* page 1, line 45 - line 67 *) * page 3, line 112 - line 130 *** page 4, line 46 - line 62 ** -- --	7,8	
D,Y	US-A-4 594 610 (PATEL) -- --	1,6,9,11	
D,A	US-A-4 594 610 (* abstract *) -- --	7,8,13,15	
Y	JOURNAL OF THE AUDIO ENGINEERING SOCIETY. vol. 30, no. 10, 1 October 1982, NEW YORK US pages 707 - 718; W.L. DOOLEY ET AL.: 'M-S stereo: a powerful tech- nique for working in stereo' -- --	13,15	
A	* page 707, line 1 - line 7 * -- -- -- --	1,11	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			H 04 R H 04 N
Place of search		Date of completion of search	Examiner
The Hague		09 December 91	DOCKHORN H.S.A.
CATEGORY OF CITED DOCUMENTS			
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