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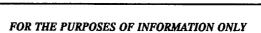
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(54) Title: VIDEO CAMERA RECORDERS AND/OR RECORDING SYSTEMS

(57) Abstract

A modified video camera recorder and/or recorder system wherein teletext encoder means are provided for encoded recording of vertical interval test and/or data e.g. standard teletext P888 on the video tape, especially using a high band system such as super VHS.





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E STORY

VIDEO CAMERA RECORDERS AND/OR RECORDING SYSTEMS

This invention relates to video camera recorders and/or recording systems.

Many video camera recorders currently available, during filming, display in the view finder details of time and date of recording and exposure settings etc., used during filming.

Such information is, however, not transferred to the video tape and is hence lost.

This invention provides a modified video camera recorder and/or recorder system wherein teletext encoder means are provided for encoded recording of vertical interval test and/or data e.g. standard teletext P888 on the video tape, especially using a high band system such as super VHS.

The inclusion of such a facility allows encoded recording of the information normally displayed in the view finder e.g. time and date of recording but also allows inclusion of a tape run clock to encode a constant real time reference thereby providing greater ease of editing, and a greater ease of sub-titling.

The modification according to the invention merely requires the inclusion of a suitably programmed chip in the camera circuitry.

CLAIMS

1. A modified video camera recorder and/or recorder system wherein teletext encoder means are provided for encoded recording of vertical interval test and/or data e.g. standard teletext P888 on the video tape, especially using a high band system such as super VHS.



INTERNATIONAL SEARCH REPORT

International Application No PCT/GB 90/01983

I. CLASSIFICATION OF SUBJECT MATTER (if several classification symbols apply, indicate all) 6						
According to International Patent Classification (IPC) or to both National Classification and IPC						
IPC ⁵ :	H 04 N 5/76, //H 04 N 7/	087				
II. FIELD	S SEARCHED					
Minimum Documentation Searched 7						
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IPC ⁵	H 04 N					
	Documentation Searched other to the Extent that such Documents	han Minimum Documentation are included in the Fields Searched ^a				
III. DOCI	IMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of Document, 11 with Indication, where app	ropriate, of the relevant passages 12	Relevant to Claim No. 13			
У	Patent Abstracts of Japan 35 (E-296)(1758), 14 & JP, A, 59178084 (N KOGYO K.K.) 9 October see the abstract	February 1985, IHON KOUGAKU	1			
Y	IEEE Transactions on Consolin vol. 35, no. 4, Nover (New York, US), Y. Ichinoi et al.: "I decoding of teletext VCR", pages 797-802 see the whole articles."	mber 1989, IEEE, Recording and signal with S-VHS	1			
A	Funkschau, vol. 57, no. 1 Munich, DE), "Angetreten zum Wettl pages 37-42 see page 40, right-ha 28 - page 41, left-ha 19	kampf", and column, line	1			
*Special categories of cited documents: 10 "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filling date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed IV. CERTIFICATION			to with the application but a or theory underlying the ce; the claimed invention cannot be considered to ce; the claimed invention an inventive step when the or more other such docupations to a person skilled			
	arch Report					
Date of the	e Actual Completion of the International Search 3rd April 1991	Date of Mailing of this International Se	6 HAY 1991:			
Internation	al Searching Authority	Signature of Authorized Officer				
	EUROPEAN PATENT OFFICE	19 100 10 (2.1)				

Category *	Citation of Document, 11 with indication, where appropriate, of the relevant passages	Relevant to Claim No.
A	US, A, 4574319 (M. KONISHI) 4 March 1986 see column 4, lines 7-12; column 5, lines 6-41	1
A	US, A, 4695900 (M. HONJO et al.) 22 September 1987 see column 3, lines 10-30	1
A	Symposium Record "Broadcast sessions" of the 16th International TV Symposium, Montreux, CH, 17-22 June 1989, D. Strube: "S-VHS for broadcast and professional applications", pages 490-511	
A	EP, A3, 0172991 (GRUNDIG E.M.V.) 5 March 1986	
A	EP, A3, 0123959 (TELEFUNKEN) 7 November 1984	
A	US, A, 4800448 (K. KANEKO et al.) 24 January 1989	
A	Patent Abstracts of Japan, vol. 8, no. 95 (E-242)(1532), 2 May 1984 & JP, A, 5913479 (HITACHI SEISAKUSHO K.K.) 24 January 1984 see the abstract	
-		

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

GB 9001983

SA 42940

This annex lists the patent family members relating to the patent documents cited in the above-mentioned international search report. The members are as contained in the European Patent Office EDP file on 19/04/91
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Patent document cited in search report	Publication date	Patent famil member(s)	
US-A- 4574319	04-03-86	JP-A- 571	85777 16-11-82
US-A- 4695900	22-09-87	JP-A- 602 JP-A- 611	216680 30-10-85 218988 01-11-85 223375 11-06-86 59871 30-10-85
EP-A- 0172991	05-03-86	DE-C- 34	31006 26-09-85
EP-A- 0123959	07-11-84		15740 08-11-84 25684 18-12-84
US-A- 4800448	24-01-89	JP-A- 630 JP-A- 630	18-03-88 162484 18-03-88 162485 18-03-88 162488 18-03-88

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