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Europäisches Patentamt
European Patent Office
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(11) Publication number:

**0 244 991
A3**

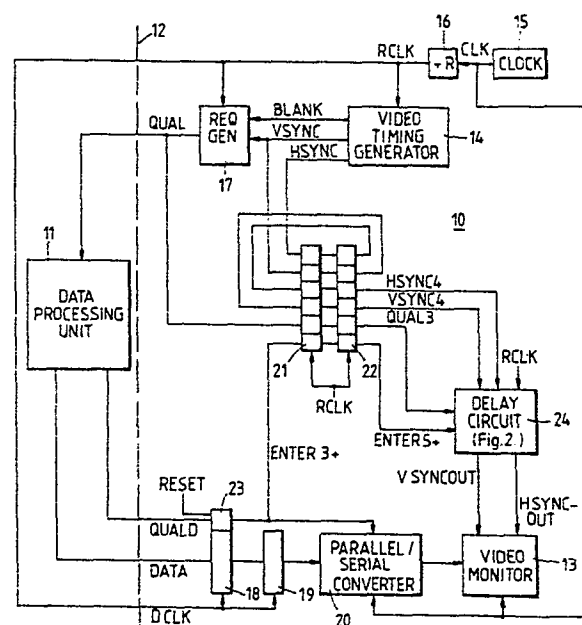
(12)

EUROPEAN PATENT APPLICATION

(21) Application number: **87303608.1**(51) Int. Cl.4: **G09G 1/00**(22) Date of filing: **24.04.87**(30) Priority: **03.05.86 GB 8610888**(43) Date of publication of application:
11.11.87 Bulletin 87/46(84) Designated Contracting States:
BE DE FR GB NL SE(89) Date of deferred publication of the search report:
18.10.89 Bulletin 89/42(71) Applicant: **AMT(HOLDINGS) LIMITED**
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Reading Berkshire RG6 1AZ(GB)(72) Inventor: **Humpleman, Richard James**
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GILL JENNINGS & EVERY 53-64 Chancery
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London WC2A 1HN(GB)(54) **Variable delay circuit.**

(57) A data processing system is described comprising a display terminal (10) and a processing unit (11). The display terminal includes a video timing generator (14) producing synchronisation signals (VSYNC, HSYNC). This triggers requests (QUAL) for the processing unit to supply video data. The display terminal includes a variable delay circuit (24) which measures the time delay between the outgoing request and the incoming data, and causes the synchronisation signals to be delayed by a corresponding amount. This ensures that the synchronisation signals are maintained in the correct timing relationship with the video data, irrespective of any unknown delays between the display terminal and the processing unit.

Fig. 1.



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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.4)
X	US-A-3 887 769 (M. P. CICHETTI JR. et al.) * column 2, line 24 - column 7, line 65; figure 1 *	1,2	G 09 G 1/00
Y	---	4-6	
X	GB-A-2 073 515 (INTERNATIONAL STANDARD ELECTRIC CORPORATION) * the entire document *	1	
D,Y	EP-A-0 175 564 (INTERNATIONAL COMPUTERS LTD.) * page 10, line 5 - page 20, line 24 *	4-6	
X	PATENT ABSTRACTS OF JAPAN vol. 5, no. 82 (E-59) (754) 29 May 1981; & JP - A- 56 30369 (TOKYO SHIBAURA DENKI K.K.) 26.03.1981	1	
X	PATENT ABSTRACTS OF JAPAN vol. 9, no. 85 (E-308) (1808) 13 April 1985; & JP - A - 59 216334 (NIPPON DENSHIN DENWA KOSHA) 06.12.1984	1	
A	GB-A-2 128 450 (HITACHI LTD.) * the entire document *	1,2,4	
P,X	EP-A-0 180 450 (RCA CORPORATION) * page 10, line 8 - page 19, line 27; figures 3-6 *	1	
P,A	-----	4-6	
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 12-06-1989	Examiner KELPERIS K.
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			