

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) Publication number:

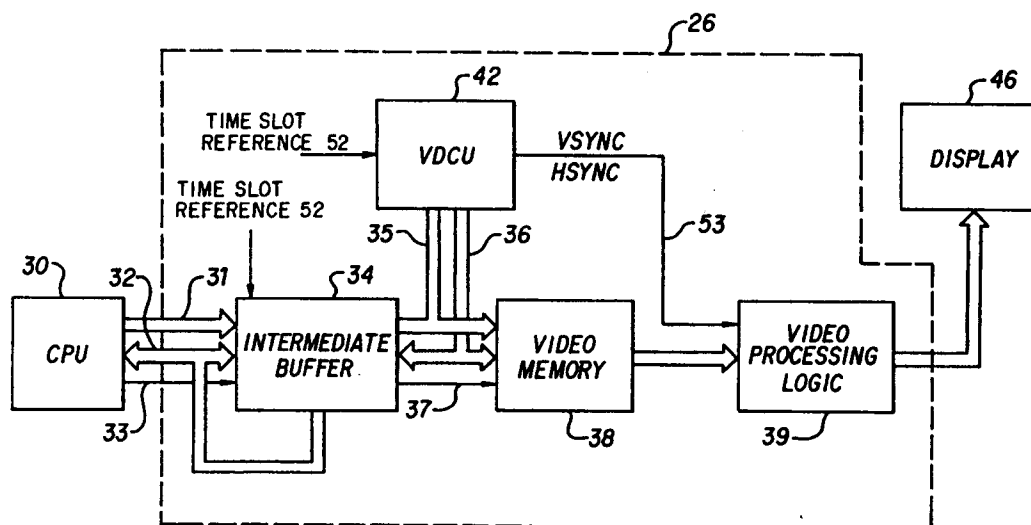
0 482 263 A3

(12)

EUROPEAN PATENT APPLICATION(21) Application number: **90313405.4**(51) Int. Cl.⁵: **G09G 1/16, G09G 5/36**(22) Date of filing: **10.12.90**(30) Priority: **24.10.90 US 602479**(43) Date of publication of application:
29.04.92 Bulletin 92/18(84) Designated Contracting States:
DE FR GB IT(88) Date of deferred publication of the search report:
26.08.92 Bulletin 92/35(71) Applicant: **ACER INCORPORATED**
347 Chung Feng Road
Lungtan, Taoyuan 32514(TW)(72) Inventor: **Yu, Chien-Chih**
347 Chung Feng Road
Lungtan, Taoyuan 32514(TW)(74) Representative: **Luckhurst, Anthony Henry**
William et al
MARKS & CLERK 57-60 Lincoln's Inn Fields
London WC2A 3LS(GB)(54) **Video memory system with intermediate buffer.**

(57) A video memory system is disclosed including a video memory 38, an intermediate buffer 34, a video display control unit (VDCU) 42, and a video processing means 39. The intermediate buffer 34 is disposed between an external CPU 30 and the video memory 38 to intercept the address 31, data 32, and read/write signals 33 from the CPU. For read operations,

signals to the video memory 38, and the data read therefrom travel through the buffer 34 to arrive at the CPU 30. For write operations, the intermediate buffer 34 stores the address and data signals from the CPU 30. The data is later written into the video memory 38 in response to a time slot reference signal 52.

**FIG. 3****EP 0 482 263 A3**



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 90 31 3405

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)
A	US-A-4 418 343 (JOSEPH L. RYAN) * abstract; figures 1-6 * * column 4, line 50 - column 5, line 50 * ---	1, 3, 9-12, 14	G09G1/16 G09G5/36
X	IBM TECHNICAL DISCLOSURE BULLETIN, vol. 25, no. 3B, August 1982, NEW YORK US pages 1610 - 1611; J.P. HURST: 'Simultaneous storage of two asynchronous memories for CRT refresh'	1-3	
A	* page 1610 - page 1611 * ---	11-14	
A	PATENT ABSTRACTS OF JAPAN vol. 009, no. 273 (P-401)30 October 1985 & JP-A-60 117 327 (FUJI XEROX KK) 24 June 1985 * abstract * -----	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G09G
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 29 JUNE 1992	Examiner VAN ROOST L. L. A.
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			