

EUROPEAN PATENT APPLICATION

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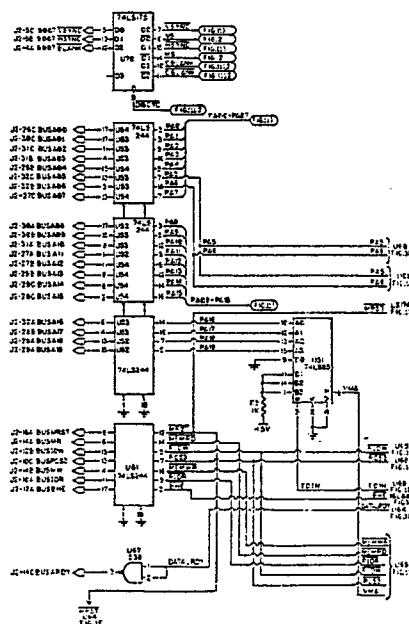
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84 Designated Contracting States: **AT BE CH DE FR GB IT LI LU NL SE**

74 Representative: **Read, Matthew Charles et al, Venner Shipley & Co. 368 City Road, London EC1V 2QA (GB)**

54 **High resolution video graphics system.**

57 A high resolution video graphics system for use with a processor and characterized by improved memory expandability particularly in connection with color display. The high resolution video graphics system includes a video memory which is preferably comprised of a plurality of video memory planes and video counter means for providing display timing. There are basically four buses that are used with the system including a control bus, a read bus, a write bus, and an address bus. A multiplexer means is provided for receiving either video counter addresses or direct addresses from the processor. There is associated with the video memory means for converting to serial output data which the preferred embodiment includes a series of shift registers corresponding to the number of separate memory planes employed. In the preferred embodiment the system has three memory planes, each of 16K by 16 capacity. The shift register output is coupled to a high speed static palette RAM with the shift register outputs being the addresses thereto. The data outputs of the palette RAM couple to guns on a color monitor or to the back plane in connection with black and white graphics.





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-4 342 029 (HOFMANIS et al.) * abstract; column 4, lines 3-14, 56 - column 5, line 44; column 6, line 16 - column 7, line 39; figure 2 *	1-3, 5, 9, 10, 13, 14	G 09 G 1/16 G 09 G 1/28
X	--- EP-A-0 085 480 (EUROPEL SYSTEMS) * page 1, line 17 - page 2, lines 12, 28 - page 3, line 16; page 4, lines 6-28; page 7, line 21 - page 8, line 22; page 9, lines 9-25; claims 1-3, 5, 6, 8, 11-13; figures 1, 2 *	1-3, 5, 9, 10, 13-18	
X	--- GB-A-2 073 997 (AMPEX) * abstract; page 1, lines 26-45; page 2, line 56 - page 3, lines 55, 63 - page 4, lines 32, 53-62; page 10, lines 29-30; page 11, lines 27-63; page 12, lines 10-36, 49-57; page 13, lines 17-28; claim 1; figures 1, 2, 8, 9 *	1-3, 5, 7, 9, 10, 13, 14, 19-21	TECHNICAL FIELDS SEARCHED (Int. Cl.4) G 09 G 1/00
A	--- -/-	16	
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 05-11-1987	Examiner BEITNER M. J. J. B.
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			



European Patent
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EUROPEAN SEARCH REPORT

0148564

Application number

EP 84 30 7409

DOCUMENTS CONSIDERED TO BE RELEVANT			Page 2
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
A	US-A-4 150 364 (BALTZER) * abstract; column 1, line 42 - column 2, line 66; column 4, lines 3-24; figure 1 *	2, 4, 5, 7, 19, 20	
A	FR-A-2 463 555 (OPTION) * page 1, line 19 - page 2, line 26; page 3, line 24 - page 4, line 30; page 5, line 15 - page 8, line 40; page 9, lines 10-17; claims 1-3; figures 1, 3, 7, 8 *	1-3, 13, 19, 20	
P, A	EP-A-0 105 724 (FANUC) * page 1, line 4 - page 2, line 12; page 3, line 9 - page 6, line 16; figure 1; claims 1-5 *	2, 3, 19, 20	
A	US-A-4 016 544 (MORITA et al.) * abstract; column 2, line 28 - column 3, line 63; figures 1-3 *	2, 19, 20	
A	GB-A-2 112 256 (TEXAS INSTRUMENTS) * abstract; page 1, line 111 - page 3, line 122; figures 1-3 *	1-3, 9, 10, 13, 19-21	
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DOCUMENTS CONSIDERED TO BE RELEVANT			Page 3
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
A	GB-A-2 090 506 (BRITISH BROADCASTING CORP.) * abstract; page 1, line 72 - page 2, line 48; figure 1 * -----	15-18	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
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