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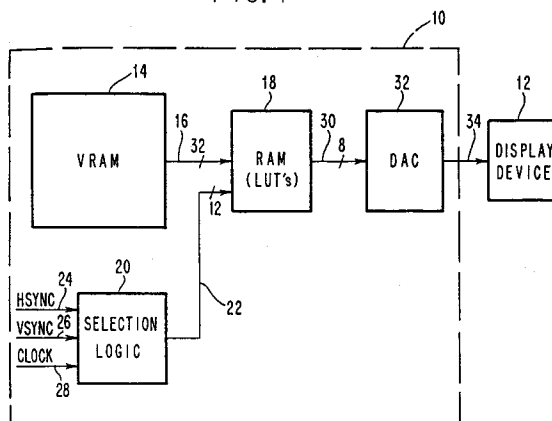
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01.07.92 Bulletin 92/27(71) Applicant: **International Business Machines Corporation**
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IBM United Kingdom Limited Intellectual
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Winchester Hampshire SO21 2JN(GB)(54) **Multiple-window lookup table selection.**

(57) A system for selecting from multiple palette lookup tables (LUTs) in a multiple-window system without requiring extra planes in video memory for storing palette information. X and Y position signals representing the current position on the screen are compared with the X and Y minima and maxima of each of the defined windows to determine whether the current position is within one or more windows. If the current position is within two or more windows, the window with the highest priority, as stored in a programmable priority register, is selected, and the lookup table is selected that is assigned to that window by a programmable lookup table register. Successive groups of pixels are processed in parallel to increase the speed of operation.

FIG. 1

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EUROPEAN SEARCH REPORT

Application Number

EP 91 30 7969

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)
X	EP-A-0 392 551 (BROOKTREE CORPORATION) Whole document ---	1-6, 8-15	G09G5/14 G09G5/06
A	US-A-4 808 989 (KUNIAKI TABATA) * abstract; figures 7,8 * * column 5, line 4 - column 5, line 17 * ---	1-3, 5-6, 10-12, 14-15	
P,X	EP-A-0 431 754 (ADVANCED MICRO DEVICES, INC) Whole document ---	1-6, 8-15	
A	MESURES REGULATION AUTOMATISME. vol. 52, no. 1, 19 January 1987, PARIS FR pages 63 - 66; NICOLAS PARIS ET AL.: 'Multi-fenêtrage: deux solutions pour mieux voir' * page 63 - page 66 * -----	1, 7, 16	
			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 27 APRIL 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			