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Applicant: **International Business Machines Corporation**
Old Orchard Road
Armonk, N.Y. 10504(US)

Inventor: **Harrison, Roy Bernard**
5 Chichester Close
East Wellow Hampshire. SO5 OEY(GB)
Inventor: **Norris, Paul William**
5, Ashbridge Rise
Chandlers Ford Hampshire. SO51 1SA(GB)
Inventor: **Wood, Roger Timothy**
108 Woodley Lane
Romsey Hampshire(GB)

Representative: **Blake, John**
IBM United Kingdom Limited Intellectual
Property Department Hursley Park
Winchester Hampshire SO21 2JN(GB)

Display adapter.

A display adapter is provided for connecting the system bus 12 (Fig. 1) of a workstation to a display means 34 (Fig. 1) having a scanned display screen. The display adapter comprises input means, including means 48, 50, 46 for receiving positioning data specifying an area on the screen within which an image is to be displayed and means 54 for receiving a stream of data items representing the image. The individual data items in the received stream 42 (Fig. 2C) define respective pels of the image and the stream is ordered to define the image line-by-line and within each line, pel-by-pel. The display adapter also comprises a display buffer 38 for storing, in display scanning sequence, data defining the pels to be displayed on the display screen, and addressing logic 44, 49, 51, 58 for computing from the positioning data, individual storage locations (Fig. 2b) in the display buffer to be addressed for individual data items in the received stream in order that the data for the individual pels of the image are stored in the display buffer in said display scanning sequence and

in order that the image is displayed correctly on the display screen.

The means for receiving a stream of data items preferably comprises a multiplexer which enables the stream of data items to be selectively supplied from the system bus or from a source external to the workstation.



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)
Y	US-A-4 642 625 (TSUNEHIRO et al.) * Claims 1,4; column 3, line 51 - column 4, line 37 *	1,8	G 09 G 1/16
A	---	2,6,9	
Y	EP-A-0 132 562 (IBM) * Page 7, last paragraph - page 8, first paragraph *	1,8	
A	-----	2,6,9	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			G 09 G
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 29-06-1990	Examiner TIBAUX M.J.P.G.
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	