Title (en)

METHOD FOR DATA STORAGE IN AN IMAGE REFRESH MEMORY OF A VDU

Publication

EP 0080043 B1 19871209 (DE)

Application

EP 82108854 A 19820924

Priority

DE 3138930 A 19810930

Abstract (en)

1. A video display terminal comprising a refresh store (3) in which the characters which are to be displayed are stored in binary-coded form and in which data items can be input from an external data source under the control of a store access control unit (1), comprising a video control unit (6) which controls the display of the correct characters on the screen (8), comprising two line buffers (24, 25) which are designed as a clock interface and via which the characters are conducted from the refresh store to the video control unit, where a line buffer accommodates all the characters of a line which is to be displayed, where one of the line buffers can be connected to the refresh store and the other line buffer can be connected to the video control unit, and where the video control unit controls the two control line buffers in such manner that simultaneously with the display of the content of the one line buffer on the screen, the other line buffer is loaded from the refresh store with the characters which are to be displayed next, characterised in that at the beginning of every line sweep (40) of a video cycle, the video control unit (6) supplies a request signal to the store access control unit (1), but then the refresh store (3) and one of the line buffers (24, 25) is supplied with a signal to input data from the external data source under the control of the function control unit (1), that simultaneously with the line sweep (40) data items are input into the refresh store (3) and into one of the line buffers (24, 25), and that at the end of a video cycle the video control unit (6) supplies the function control unit (1) with a synchronising signal which terminates the input of the data.

IPC 1-7

G09G 1/16

IPC 8 full level

G09G 1/16 (2006.01); **G09G 5/00** (2006.01); **G09G 5/22** (2006.01)

CPC (source: EP US)

G09G 1/165 (2013.01 - EP US); **G09G 5/001** (2013.01 - EP US); G09G 5/22 (2013.01 - EP US)

Cited by

EP0482678A3; EP0132562A3; DE3838827A1; EP0148659A3; EP0487400A1; FR2669448A1; US5799202A

Designated contracting state (EPC)

AT BE CH FR GB IT LI NL SE

DOCDB simple family (publication)

US 4970501 A 19901113; AT E31370 T1 19871215; DE 3138930 A1 19830414; DE 3138930 C2 19851107; EP 0080043 A2 19830601; EP 0080043 A3 19850703; EP 0080043 B1 19871209

DOCDB simple family (application)

US 83342086 A 19860221; AT 82108854 T 19820924; DE 3138930 A 19810930; EP 82108854 A 19820924