

Title (en)
METHOD AND APPARATUS FOR EFFICIENT MEMORY-READ OPERATIONS WITH A VGA-COMPLIANT VIDEO DISPLAY ADAPTOR

Title (de)
VERFAHREN UND EINRICHTUNG FÜR EFFIZIENTEN SPEICHERLESEOPERATION MIT VGA-NACHGIEBIGEM VIDEOANZEIGEADAPTER

Title (fr)
PROCEDE PERMETTANT DES OPERATIONS DE LECTURE MEMOIRE ET APPAREIL CORRESPONDANT A CARTE D'ACQUISITION D'IMAGES CONFORME A LA NORME VGA

Publication
EP 0927387 A2 19990707 (EN)

Application
EP 98909862 A 19980324

Priority

- JP 9801297 W 19980324
- US 82412897 A 19970325

Abstract (en)
[origin: WO9843154A2] The efficiency of reading information from video RAM in a display adaptor such as a VGA-compliant adaptor is improved by providing the desired information from a latch whenever possible rather than reading the desired information from video RAM or cache memory. Routine operations with graphical user interfaces such as moving and resizing visual images can be improved by first reading information for all pixels stored in a given location stored in video RAM before executing any commands that modify the contents of that location.

IPC 1-7
G06F 3/00

IPC 8 full level
G06F 3/00 (2006.01); **G06F 12/00** (2006.01); **G06T 1/60** (2006.01); **G09G 5/00** (2006.01); **G09G 5/36** (2006.01); **G09G 5/39** (2006.01); **G09G 5/395** (2006.01)

CPC (source: EP KR)
G06F 3/00 (2013.01 - KR); **G09G 5/006** (2013.01 - EP); **G09G 5/363** (2013.01 - EP); **G09G 5/395** (2013.01 - EP); **G09G 2310/04** (2013.01 - EP); **G09G 2360/121** (2013.01 - EP)

Citation (search report)
See references of WO 9843154A2

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 9843154 A2 19981001; **WO 9843154 A3 19981105**; CN 1220753 A 19990623; EP 0927387 A2 19990707; JP 2001505674 A 20010424; KR 20000015972 A 20000325

DOCDB simple family (application)
JP 9801297 W 19980324; CN 98800346 A 19980324; EP 98909862 A 19980324; JP 54543898 A 19980324; KR 19980709532 A 19981124