

Title (en)
LASER DISPLAY SYSTEM.

Title (de)
LASERANZEIGESYSTEM.

Title (fr)
SYSTEME D'AFFICHAGE A LASER.

Publication
EP 0227702 A4 19900703 (EN)

Application
EP 86903149 A 19860529

Priority
• AU PH084385 A 19850531
• AU PH241485 A 19850913

Abstract (en)
[origin: WO8607164A1] A laser control system comprising a computer (10), an output buffer (11, 12) and a laser control circuit (13, 14, 15, 16, 17, 18, 21, 22). The laser control circuit includes laser deflection mirrors (17, 18) for controlling X and Y coordinates of the laser beam, the mirrors being rotated by precision galvanometers (21, 22), which are in turn driven by analogue to digital converters (ADCs) (13, 14). Data for the ADCs is stored in First-In-First-Out buffers (FIFOS) (11, 12) until required, the FIFO buffers being periodically refilled by an output routine running in the computer (10). When the FIFO buffers are full, an interrupt stops the output routine, allowing the processor to continue with other tasks until another interrupt is generated, signalling that the buffers have reached a predetermined degree of emptiness, at which time the output routine is recommenced.

IPC 1-7
G02B 26/10; G09G 3/02; G06F 9/46

IPC 8 full level
G09G 3/02 (2006.01)

CPC (source: EP)
G09G 3/02 (2013.01)

Citation (search report)
• [Y] US 4486854 A 19841204 - YUNI WILLIAM [US]
• [A] US 4003626 A 19770118 - REINKE ROBERT V, et al
• [A] US 3898627 A 19750805 - HOOKER ROBERT W, et al
• [A] EP 0054490 A1 19820623 - TEXAS INSTRUMENTS FRANCE [FR], et al
• [A] EP 0052755 A2 19820602 - IBM [US]
• [Y] JOURNAL OF PHYSICS, PART E: SCIENTIFIC INSTRUMENTS, vol. 17, 1984, pages 363-367, The Institute of Physics, Bristol, GB; K.C.A. CRANE et al.: "Microcomputer-controlled scanning of a laser beam at constant speed"
• See references of WO 8607164A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 8607164 A1 19861204; EP 0227702 A1 19870708; EP 0227702 A4 19900703

DOCDB simple family (application)
AU 8600152 W 19860529; EP 86903149 A 19860529