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(21) International Application Number: PCT/US99/23414 (22) International Filing Date: 8 October 1999 (08.10.99) (30) Priority Data: 09/169,163 8 October 1998 (08.10.98) US (63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Application US 09/169,163 (CON) Filed on 8 October 1998 (08.10.98) (71) Applicant (for all designated States except US): ADVANCED LASER TECHNOLOGIES, INC. [US/US]; 3597 Padaro Lane, Carpinteria, CA 93013 (US). (72) Inventor; and (75) Inventor/Applicant (for US only): CONEMAC, Donald, C. [US/US]; 4430 Autumn Glen Court, Moorpark, CA 93021 (US). (74) Agents: HENTY, David, L. et al.; Graham & James LLP, 14th floor, 801 S. Figueroa Street, Los Angeles, CA 90017-5554 (US).	(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SI, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>	
(54) Title: LIGHT BEAM DISPLAY		
(57) Abstract A laser beam display includes at least a first and a second plurality of laser beam sources (200, 300), each of which may preferably be an array of semiconductor lasers, providing a plurality of laser beams in an optical path so as to reflect off reflective facets (204, 304) of a movable reflector (32) and illuminate a display screen (206). In a color display, each column of the laser array corresponds to a separate primary color. The separate rows of each array correspond to independently activated but simultaneously driven scan lines to be illuminated by the laser beam scanning apparatus. The plural laser beam arrays subdivide the width of the screen into smaller scan segments to increase the scanning angle or increase the horizontal scanning speed of the apparatus. Tilted facets illuminate different vertical sections of the screen with the laser beams as the reflector rotates. A scan format employing simultaneously illuminated diagonal scan tiles provides optimal use of the plural laser beam arrays.		