PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : H01L 33/00

A1

(11) International Publication Number: WO 99/03158

(43) International Publication Date: 21 January 1999 (21.01.99)

(21) International Application Number: PCT/US98/13936

(22) International Filing Date: 6 July 1998 (06.07.98)

(30) Priority Data:

60/049,070	11 July 1997 (11.07.97)	US
09/074,423	8 May 1998 (08.05.98)	US

(81) Designated States: CA, CN, IL, JP, KR, RU, SG, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

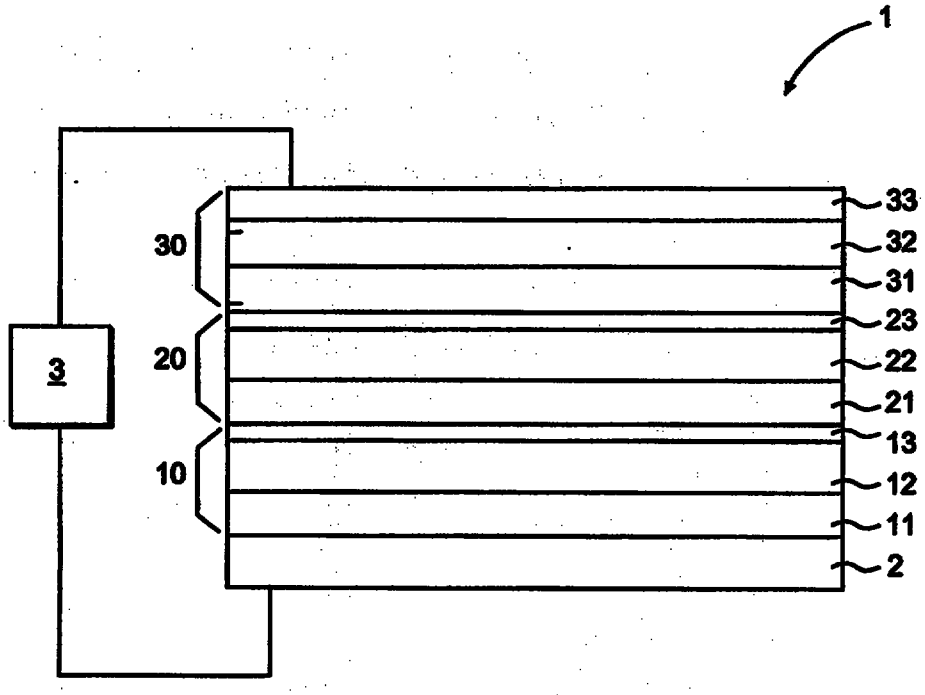
Published
With international search report.

(71) Applicant: FED CORPORATION [US/US]; Hudson Valley Research Park, 1580 Route 52, Hopewell Junction, NJ 12533 (US).

(72) Inventors: JONES, Gary, W.; 8 Taconic View Court, Lagrangeville, NY 12540 (US). HOWARD, Webster, E.; 4 Lee Lane, Lagrangeville, NY 12540 (US).

(74) Agent: COYNE, Patrick, J.; Collier, Shannon, Rill & Scott, PLLC, Suite 400, 3050 K Street, N.W., Washington, DC 20007 (US).

(54) Title: HIGH BRIGHTNESS, HIGH EFFICIENCY ORGANIC LIGHT EMITTING DEVICE



(57) Abstract

A light emitting device (1) comprises a plurality of stacked organic light emitting devices (10, 20, 30) which are arranged in a stack. The light emitting device (1) further includes a controller (3) for controlling the operation of each of the plurality of organic light emitting devices (10, 20, 30) in the stack. The controller (3) simultaneously supplies the same current to each of the organic light emitting devices (10, 20, 30) in the stack as well as to each of the plurality of organic light emitting devices (1).