

08 NOV 2004

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
20 November 2003 (20.11.2003)

PCT

(10) International Publication Number
WO 03/096757 A1(51) International Patent Classification⁷: **H05B 33/22**

(21) International Application Number: PCT/US03/14600

(22) International Filing Date: 8 May 2003 (08.05.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/379,141 8 May 2002 (08.05.2002) US(71) Applicant: **ZEOLUX CORPORATION** [US/US]; 704
228th Street, Sammamish, WA 98704 (US).(72) Inventors: **MAGNO, John, N.**; 7 Renier Court, Middle-
town, NJ 07748 (US). **KOCH, Gene, C.**; 85 Cedar Run
Road, Bayville, NJ 08721 (US).(74) Agents: **PARK, Eunhee** et al.; Baker & McKenzie, 805
Third Avenue, New York, NY 10022 (US).(81) Designated States (*national*): AE, AG, AI., AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,CZ, DE, DK, DM, DZ, EC, 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, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD,
SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ,
VC, VN, YU, ZA, ZM, ZW.(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).**Published:**

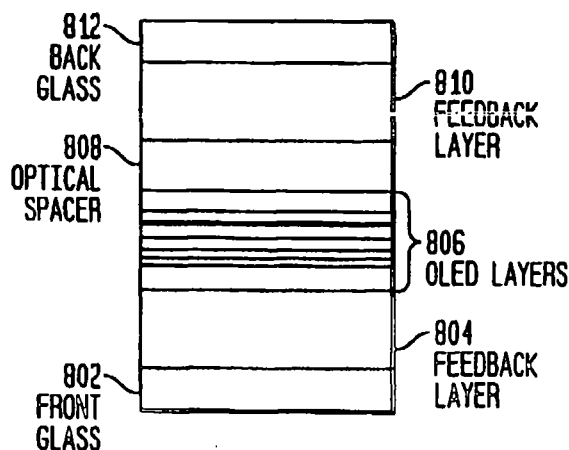
- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.



162162

(54) Title: FEEDBACK ENHANCED LIGHT EMITTING DEVICE



(57) **Abstract:** A feedback-enhanced light emitting device is dis-
closed. Feedback elements (804, 810) coupled to an emissive ele-
ment (806) allows the emissive element to emit collimated light by
stimulated emission. Feedback elements that provide this func-
tion may include but are not limited to holographic reflectors with
refractive index that varies at least in part periodically and contin-
uously.

WO 03/096757 A1



ACTION