



(51) International Patent Classification:
H05B 41/26 (2006.01) *H02M 5/453* (2006.01)
H05B 37/02 (2006.01)

(21) International Application Number:
PCT/CN2010/079390

(22) International Filing Date:
2 December 2010 (02.12.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/380,932 8 September 2010 (08.09.2010) US

(71) Applicant (for all designated States except US):
HUIZHOU LIGHT ENGINE LTD. [CN/CN]; No. 7
Building, No. 21 Jiang Bei Yun Shan East Road,
Huizhou, Guangdong (CN).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SIU, Johnny**
[CN/CN]; Room D, 22/F, Block 2 Grand Horizon, 11
Cheung Wan Street Tsing Yi, N.T, Hong Kong (CN). **LE-
UNG, Wa-Hing** [CN/CN]; Flat B, Flr 29, Block 2 Sher-
wood Court, Kingswood Villas 1 Tin Wu Road, Tin Shui
Wai, Hong Kong (CN).

(74) Agent: **CHINA PAT INTELLECTUAL PROPERTY
OFFICE**; Suite 717, E-Wing Center, No. 113 Zhichun
Road, Haidian, Beijing 100086 (CN).

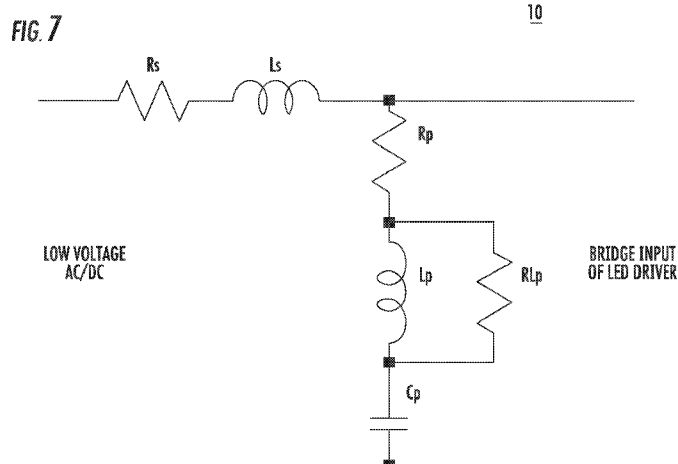
(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP,
KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD,
ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI,
NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD,
SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG,
ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU,
LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK,
SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(54) Title: STABILIZATION CIRCUIT FOR ELECTRONIC TRANSFORMER DRIVEN LED DEVICES



(57) Abstract: A stabilization circuit for electronic transformer driven LED devices. The circuit is provided at an output of an electronic transformer driving circuit, which has a rectifier fed into a feedback-controlled oscillator circuit. An isolation transformer driven by the feedback-controlled oscillator circuit is provided at the output of the electronic transformer driving circuit. The stabilization circuit includes a current limiting portion that limits the amount of current delivered by the electronic transformer driving circuit.