



(43) International Publication Date
10 January 2013 (10.01.2013)

- (51) International Patent Classification:
G05F 3/16 (2006.01) *H05B 33/08* (2006.01)
- (21) International Application Number:
PCT/GB2012/051448
- (22) International Filing Date:
22 June 2012 (22.06.2012)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
1111359.4 4 July 2011 (04.07.2011) GB
1210561.5 14 June 2012 (14.06.2012) GB
- (71) Applicant (for all designated States except US): **ACCUR-IC LTD** [GB/GB]; 1 Conference Grove, Crowle, Worcester, Worcestershire WR7 4SF (GB).
- (72) Inventor; and
(75) Inventor/Applicant (for US only): **BANNISTER, Dave** [GB/GB]; 1 Conference Grove, Crowle, Worcester, Worcestershire WR7 4SF (GB).
- (74) Agents: **GILES, Ashley Simon** et al.; Haseltine Lake LLP, Lincoln House, 5th floor, 300 High Holborn, London WC1V 7JH (GB).
- (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,

[Continued on next page]

(54) Title: CURRENT REGULATOR

(57) Abstract: The present application describes a current regulator for providing a regulated current from an input voltage. The current regulator comprises a voltage regulator circuit, operable to provide a regulated voltage, which comprises a plurality of Zener diodes connected in parallel.

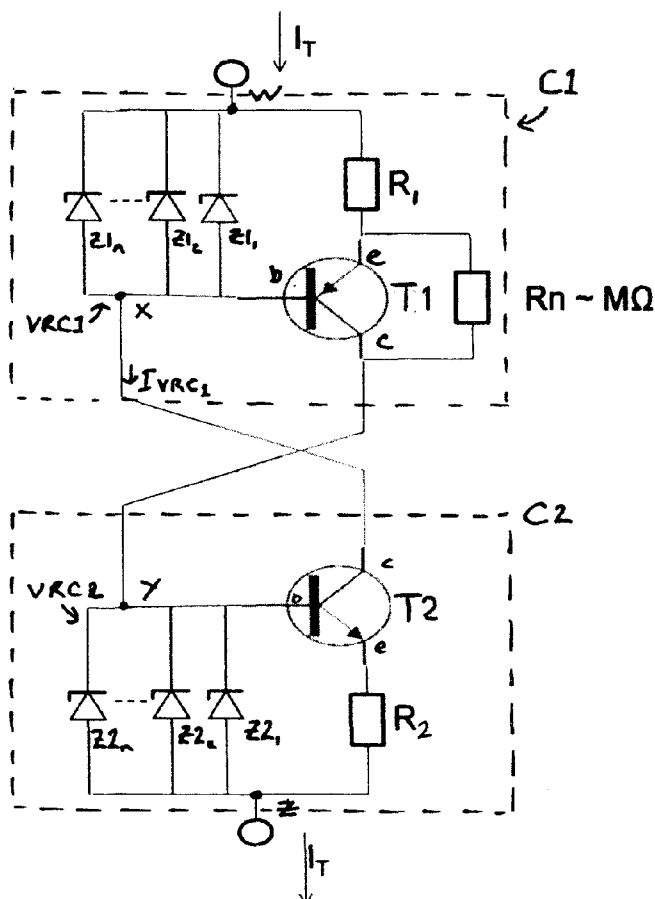


Fig 6



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, QA, RO, RS, RU, RW, 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.

UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, 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:

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ,

- *with international search report (Art. 21(3))*
- *with amended claims (Art. 19(1))*