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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
29 November 2007 (29.11.2007)

PCT

(10) International Publication Number
WO 2007/136556 A2

(51) International Patent Classification: Not classified

(21) International Application Number:
PCT/US2007/011207

(22) International Filing Date: 8 May 2007 (08.05.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/798,568	8 May 2006 (08.05.2006)	US
60/821,008	1 August 2006 (01.08.2006)	US
60/823,332	23 August 2006 (23.08.2006)	US
60/824,357	1 September 2006 (01.09.2006)	US
60/825,517	13 September 2006 (13.09.2006)	US
11/524,113	20 September 2006 (20.09.2006)	US
11/586,467	25 October 2006 (25.10.2006)	US
11/586,470	25 October 2006 (25.10.2006)	US
11/586,471	25 October 2006 (25.10.2006)	US

(71) Applicant *(for all designated States except US)*: **MARVELL WORLD TRADE LTD.** [BB/BB]; L'Horizon Gunsite Road, Brittons Hill, St. Michael 14027 (BB).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **SUTARDJA, Sehat** [US/US]; 27330 Elena Road, Los Altos Hills, California 94022 (US).

(74) Agents: **WIGGINS, Michael D.** et al.; Harness, Dickey & Pierce, P.L.C., P.O. Box 828, Bloomfield Hills, Michigan 48303 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *without international search report and to be republished upon receipt of that report*

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

(54) Title: EFFICIENT TRANSISTOR STRUCTURE

(57) Abstract: An integrated circuit comprises a first source, a first drain, a second source, a first gate arranged between the first source and the first drain, and a second gate arranged between the first drain and the second source. The first and second gates define alternating first and second regions in the drain. The first and second gates are arranged farther apart in the first regions than in the second regions.

WO 2007/136556 A2