

(19) World Intellectual Property Organization
International Bureau



PCT



(43) International Publication Date
20 March 2008 (20.03.2008)

(10) International Publication Number
WO 2008/034026 A1

- (51) **International Patent Classification:**
H01L 21/335 (2006.01) **H01L 29/78** (2006.01)

(21) **International Application Number:**
PCT/US2007/078438

(22) **International Filing Date:**
13 September 2007 (13.09.2007)

(25) **Filing Language:** English

(26) **Publication Language:** English

(30) **Priority Data:**
11/521,260 13 September 2006 (13.09.2006) US

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(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, 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, 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.

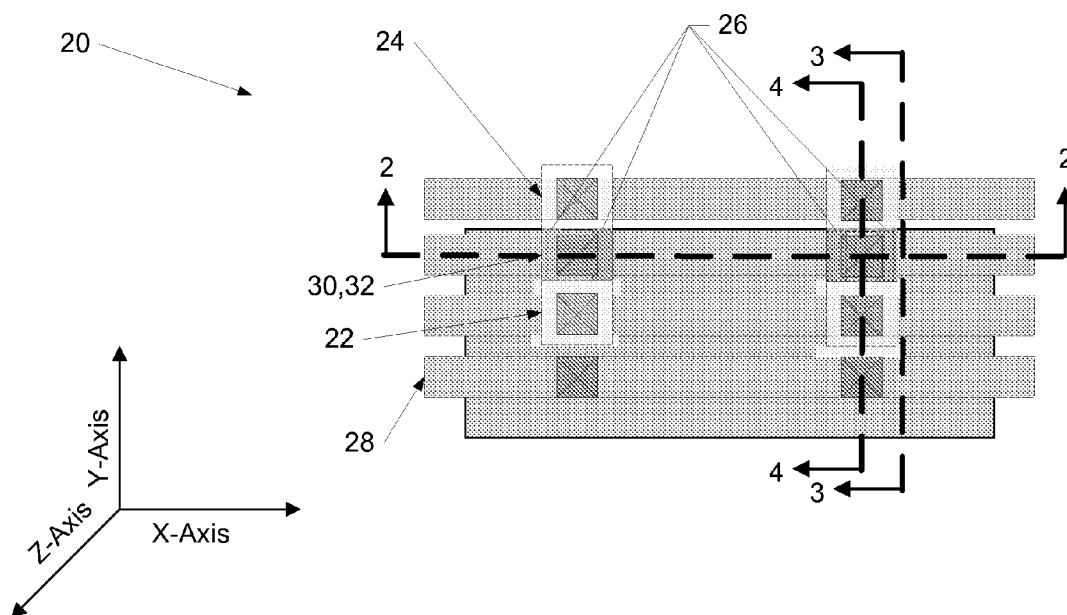
(84) **Designated States (unless otherwise indicated, for every kind of regional protection available):** ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, 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:
— 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

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- 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

(54) Title: DEVICE AND METHOD OF MANUFACTURE FOR A LOW NOISE JUNCTION FIELD EFFECT TRANSISTOR



(57) Abstract: A microelectronic product and the method for manufacturing the product are provided. A source and drain are spaced from one another in a first direction and are connected to opposing ends of a channel to provide a set voltage. First and second gates are spaced from one another in a second direction surrounding a portion of the channel to allow for application and removal of a gate voltage. Application of the gate voltage repels majority carriers in the channel to reduce the current that conducts between the source and drain.

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