

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
25 June 2009 (25.06.2009)

PCT

(10) International Publication Number
WO 2009/078809 A1

(51) International Patent Classification:

H01L 31/101 (2006.01) *H01G 9/20* (2006.01)
H04N 5/30 (2006.01) *H01L 31/11* (2006.01)
H01L 51/42 (2006.01) *H01L 27/146* (2006.01)

(21) International Application Number:

PCT/SG2007/000433

(22) International Filing Date:

18 December 2007 (18.12.2007)

(25) Filing Language:

English

(26) Publication Language:

English

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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

(54) Title: QUANTUM TUNNELING PHOTODETECTOR ARRAY

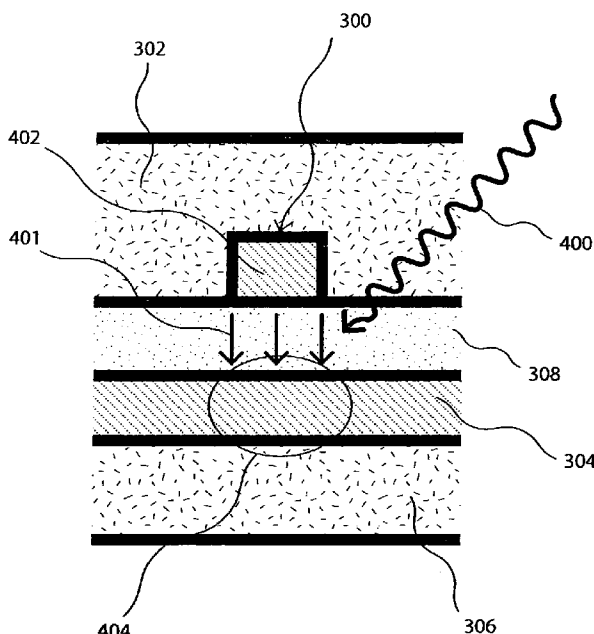


FIG. 4

(57) Abstract: A quantum tunneling photodetector array and a method of generating an image. The photodetector array comprises an array of pairs of opposing first and second electrodes; a photo-sensitive insulating material disposed between the opposing first and second electrodes of the respective pairs; an electrical circuit for detecting photo-assisted quantum tunneling currents between the opposing first and second electrode of the respective pairs.

WO 2009/078809 A1