

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
21 August 2008 (21.08.2008)

PCT

(10) International Publication Number
WO 2008/099285 A3

(51) International Patent Classification:
C07K 1/00 (2006.01) **C12Q 1/00** (2006.01)
C07K 7/08 (2006.01)

(21) International Application Number:
PCT/IB2008/000817

(22) International Filing Date:
15 February 2008 (15.02.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/889,609 13 February 2007 (13.02.2007) US
60/892,927 5 March 2007 (05.03.2007) US

(71) Applicant (for all designated States except US): **NORTH-ERN NANOTECHNOLOGIES INC.** [CA/CA]; 700 Bay St., Suite 1100, Toronto, Ontario M5G 1Z6 (CA).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ANDERSON, Darren** [CA/CA]; 55 Maitland Street, #909, Toronto, Ontario M4Y 1C9 (CA). **GOH, Jane, B.** [CA/CA]; 265 Howland Avenue, Toronto, Ontario M5R 3B7 (CA). **DINGLASAN, Jose, Amado** [PH/CA]; 218 Albany Ave., Toronto, Ontario M5R 3C6 (CA).

(74) Agent: **ROBIC**; Centre CDP Capital, 1001, Square Victoria, Bloc E - 8th Floor, Montréal, Québec H2Z 2B7 (CA).

(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, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, 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
- with information concerning request for restoration of the right of priority in respect of one or more priority claims

(88) Date of publication of the international search report:
26 February 2009

(54) Title: CONTROL OF TRANSPORT PROPERTIES TO AND FROM NANOPARTICLE SURFACES

(57) Abstract: Methods of producing stabilized composite nanoparticles comprising a nanoparticle and a multiple polyelectrolyte stabilizing moiety layer, a method of producing a multilayer stabilized composite nanoparticle, and such nanoparticles.



WO 2008/099285 A3