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

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
25 October 2007 (25.10.2007)

PCT

(10) International Publication Number
WO 2007/120368 A2

(51) **International Patent Classification:**
A61K 48/00 (2006.01)

(21) **International Application Number:**
PCT/US2007/000616

(22) **International Filing Date:** 9 January 2007 (09.01.2007)

(25) **Filing Language:** English

(26) **Publication Language:** English

(30) **Priority Data:**
60/757,314 9 January 2006 (09.01.2006) 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, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FT, 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, LV, 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, 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*
— *with sequence listing part of description published separately in electronic form and available upon request from the International Bureau*

(48) **Date of publication of this corrected version:**
14 February 2008

(15) **Information about Correction:**
see Notice of 14 February 2008

(54) Title: IMMUNOSTIMULATORY COMBINATIONS OF TNFRSF, TLR, NLR, RHR, PURINERGIC RECEPTOR, AND CYTOKINE RECEPTOR AGONISTS FOR VACCINES AND TUMOR IMMUNOTHERAPY

(57) Abstract: This invention discloses immunostimulatory combinations of Tumor Necrosis Factor Receptor Superfamily (TNFRSF) agonists, Toll-Like Receptor (TLR) agonists, "domain present in NAIP,CIITA, HET-E, TP-I (NACHT)-Leucine Rich Repeat (LRR)" or "NLR" agonists, RIG-I-Like Helicase or "RLH" agonists, purinergic receptor agonists and cytokine/chemokine receptor agonists, together with delivery methods. The combinations, when used alone at the site of pathology, provide immunostimulation that induces host humoral and cellular immunologic responses to eliminate pathogens or neoplasms. Alternatively, when the combinations are used with a defined antigens, these combinations can induce focused humoral and cellular immunologic responses useful as prophylactic and/or ameliorative therapeutic modalities for infections and the treatment of neoplastic disorders.

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