



(51) International Patent Classification:

A01N 25/26 (2006.01) *A01P 7/04* (2006.01)
A01N 59/26 (2006.01)

(21) International Application Number:

PCT/US2012/024597

(22) International Filing Date:

10 February 2012 (10.02.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/442,003 11 February 2011 (11.02.2011) US

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(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, CL, 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, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

Published:

— without international search report and to be republished upon receipt of that report (Rule 48.2(g))

(54) Title: IMPROVED INSECTICIDE FORMULATIONS

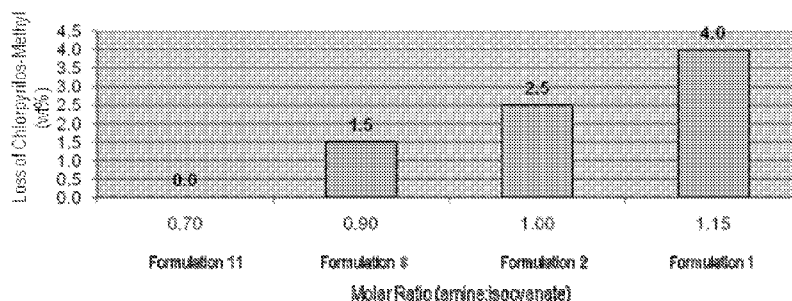


FIG. 1

(57) **Abstract:** Insecticide formulations having improved chemical and physical stability and related methods are disclosed. The insecticide formulations may include a plurality of microcapsules, each including at least one organophosphate insecticide (e.g., chlorpyrifos methyl) at least partially surrounded by a polymer shell. The insecticide formulations may be used to control insect populations by singular or periodic applications. The microcapsule polymer shell of the insecticide formulations may be formed by combining a cross linking amine and a hydrophobic monomer (e.g., an isocyanate) at a molar ratio of amine to isocyanate groups of less than about 1:1.