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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
23 July 2020 (23.07.2020)

WIPO | PCT

(10) International Publication Number
WO 2020/149734 A3

(51) International Patent Classification:
*A01N 43/20* (2006.01) *A01N 65/28* (2009.01)
*A01N 31/02* (2006.01) *A01N 25/30* (2006.01)

(21) International Application Number:
PCT/MY2020/050011

(22) International Filing Date:
04 March 2020 (04.03.2020)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PI 2019000063 15 January 2019 (15.01.2019) MY

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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, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, 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, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, 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, KM, ML, MR, NE, SN, TD, TG).

(54) Title: NEW FORMULATION COMPOSITION FOR INSECTICIDES

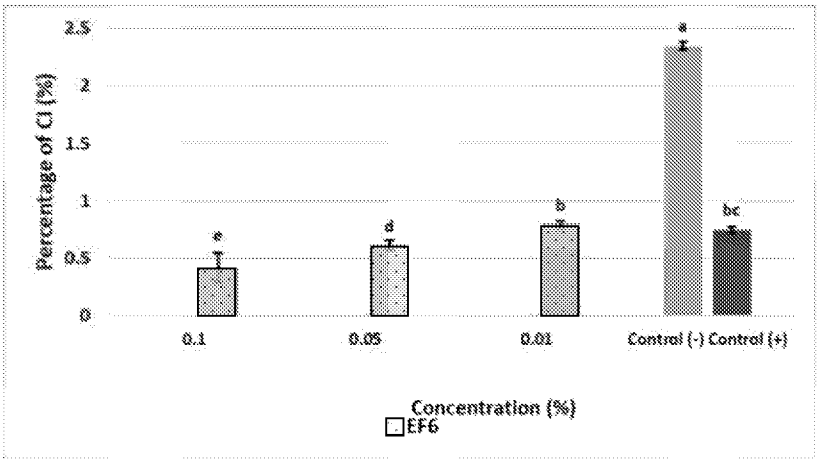



FIG. 1

(57) Abstract: The present invention relates to a new formulation and application of insecticide that is effective in controlling agricultural chewing insect pests including, Spodoptera litura, Hellula undalis, Plutella xylostella, and Crocidolomia binotalis. The new formulation particularly relates to an insecticidal composition that contains lemon myrtle plant extract comprising (epoxy-linalooloxide, isopropyl 4-methyl-3-methylene-4-pentenoate, nerolic acid, and citral), oil (or Edenor), polysorbate surfactant (or Tween 80), and hydrophilic solvent such that the insecticidal formulation composition is an effective antifeedant and larvicide but is non-toxic to humans, animals and the environment.

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[Continued on next page]

**Declarations under Rule 4.17:**

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

**Published:**

— *with international search report (Art. 21(3))*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*
— *with information concerning request for restoration of the right of priority in respect of one or more priority claims (Rules 26bis.3 and 48.2(b)(vii))*
— *in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE*

**(88) Date of publication of the international search report:**
10 September 2020 (10.09.2020)

**INTERNATIONAL SEARCH REPORT**

International application No.
**PCT/MY2020/050011**

**A. CLASSIFICATION OF SUBJECT MATTER**

**A01N 43/20(2006.01)i, A01N 31/02(2006.01)i, A01N 65/28(2009.01)i, A01N 25/30(2006.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)
A01N 43/20; A01N 25/02; A01N 35/02; A01N 37/00; A01N 55/02; A01N 65/00; A01N 65/28; A01P 7/04; A01N 31/02; A01N 25/30

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean utility models and applications for utility models
Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
eKOMPASS(KIPO internal) & Keywords: insecticide, antifeedant, plant extract, surfactant, lemon myrtle

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
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| X | WO 2018-117810 A1 (UNIVERSITI PUTRA MALAYSIA) 28 June 2018<br>See paragraphs [0003], [0026], [0040]; and claims 1, 6-11. | 19-22 |
| Y | | 1-18 |
| Y | US 2012-0114769 A1 (TUMBERS, NEIL) 10 May 2012<br>See paragraphs [0026], [0060], [0083]-[0092]; and claims 1, 9. | 1-18 |
| Y | US 2012-0136056 A1 (REIFENRATH, WILLIAM) 31 May 2012<br>See paragraphs [0006], [0049]; and claim 1. | 7-9 |
| A | KR 10-2014-0060921 A (NATURE&FUTURE CO.) 21 May 2014<br>See the whole document. | 1-22 |
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☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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"&" document member of the same patent family

| Date of the actual completion of the international search | Date of mailing of the international search report |
|---|---|
| 27 July 2020 (27.07.2020) | **27 July 2020 (27.07.2020)** |

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/MY2020/050011**

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