

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
13 October 2022 (13.10.2022)



(10) International Publication Number
WO 2022/216875 A1

(51) International Patent Classification:

A01M 1/20 (2006.01) *A61L 9/03* (2006.01)
A61L 9/00 (2006.01) *A61L 9/02* (2006.01)
A61L 9/013 (2006.01) *A61L 9/12* (2006.01)
A61L 9/015 (2006.01)

TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(21) International Application Number:

PCT/US2022/023736

(22) International Filing Date:

06 April 2022 (06.04.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/171,316 06 April 2021 (06.04.2021) 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, 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, IT, JM, 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,

(54) Title: SOLVENT FOR INSECT REPELLENT ACTIVE INGREDIENT AND INSERT REPELLENT SYSTEM USING SAME

(57) Abstract: An insect repellent system includes an active insect repellent ingredient and a glycol solvent as part of a thermally activated dispersion using a wick and a heater. The active ingredient may be a pyrethroid insecticide or a natural insect repellent material. The glycol solvent includes at least two hydroxyl groups and may be a mixture of glycol solvents. In one solvent mixture, a combination of hexylene glycol and dipropylene glycol are combined with a pyrethroid insecticide of either metofluthrin or transfluthrin. The insect repellent system may be a portable insect repellent system formed from thermoplastic materials and rely on battery power to generate heat.



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