

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
7 May 2009 (07.05.2009)

(10) International Publication Number
WO 2009/056494 A3

PCT

(51) International Patent Classification:

A01N 25/02 (2006.01) *A01P 13/00* (2006.01)
A01N 25/30 (2006.01) *A01N 47/24* (2006.01)
A01N 43/54 (2006.01) *A01N 47/34* (2006.01)
A01N 57/20 (2006.01)

(21) International Application Number:

PCT/EP2008/064445

(22) International Filing Date:

24 October 2008 (24.10.2008)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

PI0704008-3 30 October 2007 (30.10.2007) BR

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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, 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, ST, 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 (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))

(88) Date of publication of the international search report:

6 May 2010

(54) Title: USE OF GLYCEROL, METHOD OF CROP TREATMENT, COMPOSITION FOR TANK MIXING AND A METHOD OF PREPARATION OF A COMPOSITION FOR TANK MIXING

(57) Abstract: The present invention relates to a method for the treatment of crops, comprising the steps of: 1) preparation of a spraying solution by mixing of: 1.1) at least one agrochemical composition; and 1.2) raw glycerol derived from the production of biodiesel; and 2) application of said spraying solution on the soil and/or crop and/or weeds and/or pests and/or their locality and/or habitat. Further on, it relates to the use of raw glycerol derived from the production of biodiesel in the preparation of a spraying solution which comprises at least one agrochemical composition. Additionally, a spraying solution is disclosed comprising water, raw glycerol derived from the production of biodiesel and an agrochemical composition.



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INTERNATIONAL SEARCH REPORT

International application No

PCT/EP2008/064445

A. CLASSIFICATION OF SUBJECT MATTER

INV. A01N25/02 A01N25/30 A01N43/54 A01N57/20 A01P13/00
A01N47/24 A01N47/34

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

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ELSIK C M ET AL: "Glyphosate Adjuvant Formulation with Glycerin" [Online] 7 May 2007 (2007-05-07), ASTM INTERNATIONAL. JOURNAL, ASTM INTERNATIONAL, WEST CONSHOHOCKEN, PA, US, PAGE(S) 1 - 6 , XP009128285 ISSN: 1546-962X Retrieved from the Internet: URL: http://www.astm.org/JOURNALS/JAI/PAGES/JAI100902.htm [retrieved on 2007-05-07] the whole document page 3; table 3 page 5, paragraph 2	1-3, 6-10, 12-15
X	US 2005/266036 A1 (AWADA SALAM M [US] ET AL) 1 December 2005 (2005-12-01) page 1, paragraphs 8,9 page 5, paragraph 57 - paragraph 67	1,4-5,9, 11,14

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

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Date of the actual completion of the international search

21 January 2010

Date of mailing of the international search report

03/03/2010

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2008/064445

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2005266036 A1	01-12-2005	AU 2005249537 A1	15-12-2005
		CA 2566864 A1	15-12-2005
		EP 1750738 A1	14-02-2007
		JP 2008501039 T	17-01-2008
		WO 2005117929 A1	15-12-2005
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