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(54) Title: COMPOSITIONS AND METHODS FOR REDUCING DRIFT ASSOCIATED WITH AGRICULTURAL PRODUCTS DELIVERED BY ROTARY ATOMIZERS

Veltyma

12,000 RPM disk speed

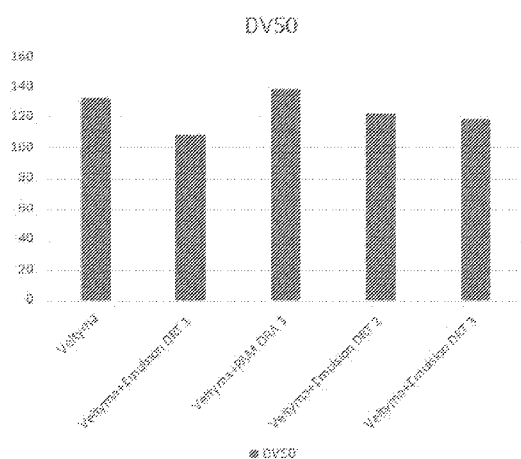


FIG. 1A

(57) Abstract: Provided herein are compositions comprising polyacrylamide and methods of use thereof for reducing drift associated with agricultural products delivered by rotary atomizers, including pesticides and/or crop protection enhancing adjuvants. The compositions can be released from a rotary atomizer and, in some embodiments, have an average diameter that is larger than the average diameter of particles produced lacking the polyacrylamide, and/or a driftable fraction of said particles is less than a driftable fraction of particles produced by a composition lacking the polyacrylamide.

LU, LV, MC, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE,
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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC - INV. A01N 25/06; A01N 25/32; A01N 33/04; A01N 33/08; A01N 35/08 (2024.01)

ADD.

CPC - INV. A01N 25/06; A01N 25/32; A01N 33/04; A01N 33/08; A01N 35/08

ADD.

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)

See Search History document

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

See Search History document

Electronic database consulted during the international search (name of database and, where practicable, search terms used)

See Search History document

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 2020/186182 A1 (EXACTO INC.) 17 September 2020; abstract, paragraphs [0013]-[0014], [0060], [0095]-[0096]	1-3
Y	US 2011/0036926 A1 (NUNES LENO AMBROSIO) 17 February 2011; abstract, paragraph [0014]	1-3
A	US 2019/0037836 A1 (WINFIELD SOLUTIONS LLC) 07 February 2019; Entire Document	1-3
A	WO 2014/040120 A1 (VITEL AUSTRALIA PTY LTD) 20 March 2014; Entire Document	1-3

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"D" document cited by the applicant in the international application

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"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

"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2024/038276

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☒ Claims Nos.: 4-20
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ No protest accompanied the payment of additional search fees.