

# SEARCH REPORT

Application Number

LH 27

LT 2021520

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	WO 2018/005743 A1 (RHODIA OPERATIONS [FR]; LIU HONG [US] ET AL.) 4 January 2018 (2018-01-04) * paragraph [0007] * * paragraph [0008] * * paragraph [0010] * * paragraph [0013] * * paragraph [0016] * * paragraph [0019] * * paragraph [0023] – paragraph [0024] * * paragraph [0029] – paragraph [0030] * * paragraph [0074] * * paragraph [0091] – paragraph [0093] * * claims * -----	1, 3-7	INV. C05G3/90
X	US 2017/283340 A1 (PATIL NILESH [IN] ET AL) 5 October 2017 (2017-10-05) * paragraph [0068] * * paragraph [0099] * * paragraph [0114] * * paragraph [0138] * * claims * -----	1-7	TECHNICAL FIELDS SEARCHED (IPC)
A	WO 2008/000196 A1 (AGRA GROUP AS [CZ]; CIGLER PETR [CZ]) 3 January 2008 (2008-01-03) * claims * -----	1-7	C05G
A	US 2014/047883 A1 (GABRIELSON KURT D [US] ET AL) 20 February 2014 (2014-02-20) * paragraph [0017] * * paragraph [0016] * * paragraph [0023] * * claims * ----- -/--	1-7	
1 The present search report has been drawn up for all claims			
The Hague		Date of completion of the search 20 January 2022	Examiner Rodriguez Fontao, M
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document	

EPO FORM 1503 11.08 (P04C80)

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A	FR 2 925 826 A1 (AGROFINANCE INTERNATIONALE SOC [FR]) 3 July 2009 (2009-07-03) * claims *	1-7	
A	WO 01/72665 A1 (COUNCIL SCIENT IND RES [IN]; PATRA DHARANI DHAR [IN] ET AL.) 4 October 2001 (2001-10-04) * claims *	1-7	
			TECHNICAL FIELDS SEARCHED (IPC)
1 The present search report has been drawn up for all claims			
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# ANNEX TO THE SEARCH REPORT ON LITHUANIAN PATENT APPLICATION NO.

LH 27  
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned search report.  
The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

20-01-2022

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2018005743 A1	04-01-2018	AU 2017290729 A1	13-12-2018
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		CA 3027617 A1	04-01-2018
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		KR 20190015576 A	13-02-2019
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		US 2019270682 A1	05-09-2019
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		US 2021253491 A1	19-08-2021
		WO 2018005743 A1	04-01-2018
US 2017283340 A1	05-10-2017	BR 112018070327 A2	29-01-2019
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		EP 3440036 A1	13-02-2019
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		DK 2885261 T3	12-08-2019
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		ES 2739640 T3	03-02-2020
		PL 2885261 T3	31-10-2019
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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
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			CA	2710545 A1		09-07-2009
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			FR	2925826 A1		03-07-2009
			PT	2225190 E		07-05-2012
			US	2011113842 A1		19-05-2011
			WO	2009083701 A2		09-07-2009
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## WRITTEN OPINION

File No. LH27	Filing date ( <i>day/month/year</i> ) 06.05.2021	Priority date ( <i>day/month/year</i> )	Application No. LT2021520
International Patent Classification (IPC) INV. C05G3/90			
Applicant Akcine bendrove "ACHEMA"			

This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of the opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☒ Box No. VII Certain defects in the application
- ☒ Box No. VIII Certain observations on the application

	Examiner Rodriguez Fontao, M
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**WRITTEN OPINION**

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**Box No. I Basis of this opinion**

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1. This opinion has been established on the basis of the latest set of claims filed before the start of the search.
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the application, this opinion has been established on the basis of:
  - a. type of material:
    - ☐ a sequence listing
    - ☐ table(s) related to the sequence listing
  - b. format of material:
    - ☐ on paper
    - ☐ in electronic form
  - c. time of filing/furnishing:
    - ☐ contained in the application as filed.
    - ☐ filed together with the application in electronic form.
    - ☐ furnished subsequently for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

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**Box No. V Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

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## 1. Statement

Novelty (N)	Yes: Claims	
	No: Claims	1-7
Inventive step (IS)	Yes: Claims	
	No: Claims	1-7
Industrial applicability (IA)	Yes: Claims	1-7
	No: Claims	

## 2. Citations and explanations

**see separate sheet**

**WRITTEN OPINION**

Application number  
LT2021520

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**Box No. VII    Certain defects in the application**

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**see separate sheet**

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**Box No. VIII    Certain observations on the application**

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**see separate sheet**

**Re Item V**

**Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

1 Reference is made to the following documents:

D1 WO 2018/005743 A1 (RHODIA OPERATIONS [FR]; LIU HONG [US] ET AL.) 4 January 2018 (2018-01-04)

D2 US 2017/283340 A1 (PATIL NILESH [IN] ET AL) 5 October 2017 (2017-10-05)

2 INDEPENDENT CLAIM 1

The present application does not meet the criteria of patentability because the subject-matter of claim 1 lacks novelty.

2.1 Document D1 discloses a preparation for use as an urease inhibitor comprising a solution of N-(n-butyl) thiophosphoric triamide (NBPT) dissolved in a solvent comprising a glycol ether and least one or more natural essential oils or their components or mixtures thereof (see claims 1, 4, 27, 28, paragraphs [0074], [0091]-[0093]). The subject-matter of claim 1 lacks novelty in view of this document.

2.2 The subject-matter of claim 1 also lacks novelty in view of document D2 (see (paragraph [0068]; paragraph [0099]; paragraph [0114]; paragraph [0138]; claims 1, 2, 7, 9).

3 DEPENDENT CLAIMS 2-4

Dependent claims 2-4 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of patentability in respect of novelty and/or inventive step.

3.1 In this respect, the subject-matter of claims 3, 4 is also known from D1 (see paragraph [0007]; paragraph [0010]; paragraph [0013]; paragraph [0016]; paragraph [0019]; paragraph [0023] - paragraph [0024]; paragraph [0029] - paragraph [0030]; paragraph [0074]; paragraph [0091] - paragraph [0093]; claims)). The subject-matter of these claims lacks therefore novelty in view of D1.

3.2 The subject-matter of claims 2-4 is also known from document D2 (see (paragraph [0068]; paragraph [0099]; paragraph [0114]; paragraph [0138]; claims 1, 2, 7, 9).



4 CLAIMS 5,6

The present application does not meet the criteria of patentability because the subject-matter of claims 5,6 lacks novelty.

4.1 Document D1 discloses a method for production of preparation for use as a urease inhibitor according to any one of claims 1 to 4, comprising dissolving the NBPT in a solvent, wherein the NBPT is dissolved in glycol ether in the first stage and in the second stage, at least one or more of selected natural essential oils or their components or mixtures thereof are added, and dissolving at room temperature (see paragraph [0007]; paragraph [0010]; paragraph [0013]; paragraph [0016]; paragraph [0019]; paragraph [0023] - paragraph [0024]; paragraph [0029] - paragraph [0030]; paragraph [0074]; paragraph [0091] - paragraph [0093]; claims). The subject-matter of claims 5 and 6 lacks novelty in view of this document.

4.2 The subject-matter of claims 5,6 also lacks novelty in view of document D2 (see (paragraph [0068]; paragraph [0099]; paragraph [0114]; paragraph [0138]; claims 1,2,7,9).

5 INDEPENDENT CLAIM 7

The present application does not meet the criteria of patentability because the subject-matter of claim 7 lacks novelty.

5.1 Document D1 discloses a urea fertilizer in which a preparation according to any one of claims 1 to 4 is used as urease inhibitor (see paragraph [0007]; paragraph [0008]; paragraph [0010], claims 1,4, 27,28, paragraphs [0074], [0091]-[0093]). The subject-matter of claim 7 lacks novelty in view of this document.

5.2 The subject-matter of claim 7 also lacks novelty in view of document D2 (see (paragraph [0068]; paragraph [0099]; paragraph [0114]; paragraph [0138]; claims 1,2,7,9).

**Re Item VII**

**Certain defects in the international application**

6 The relevant background art disclosed in documents D1-D is not mentioned in the description, nor are these documents identified therein.

**Re Item VIII**

**Certain observations on the international application**

7 The subject matter of claim 6 is not considered to be clear

- 7.1 The expression "may be selected" used in claim 3 has no limiting effect on the scope of the claim. The features following this expression have therefore to be regarded as merely optional. Since there are no other features in the claim, the subject-matter of claim 3 lacks clarity.