

INFORME DE BÚSQUEDA DE PATENTES				
N° de solicitud: NC20170006197				
CRITERIOS PARA LA BÚSQUEDA (anexar pantallazo o reporte en PDF, junto con los boléanos utilizados**)				
Palabras clave utilizadas		fungicidal compositions; surfactants; ionic surfactant; nonionic surfactant; acetate ester; N,N-dialkylcarboxamide; ketone and an alcohol.		
CLASIFICACIONES UTILIZADAS PARA LA BÚSQUEDA		CIP: A01N 43/40.		
		CPC (Opcional):		
DOCUMENTOS CONSIDERADOS RELEVANTES (documentos patentes, literatura no patente, etc...)				
Informes/Base de datos	N° de solicitud/ Autor*	Fecha de Publicación/Presentación (DD/MM/AAAA)	Reiv. afectadas (con indicación, si procede, de las partes relevantes)	Categoría especiales de los documentos citados**
ORBIT; ESPACENET, EPOQUENET y USPTO	WO2011044213	14/Abril/2011	24 a 42, 45 y 46 NIVEL INVENTIVO	X
	WO2013126948	06/Septiembre/2013	24 a 42, 45 y 46 NIVEL INVENTIVO	X
** Categorías especiales de documentos citados:				
“A” documento que define el estado general de la técnica no considerado como particularmente relevante. “E” solicitud de patente o patente anterior pero publicada en la fecha de presentación internacional o en fecha posterior. “P” documento publicado antes de la fecha de presentación internacional pero con posterioridad a la fecha de prioridad reivindicada.			“X” documento particularmente relevante; la invención reivindicada no puede considerarse nueva o que implique una actividad inventiva por referencia al documento aisladamente considerado. “Y” documento particularmente relevante; la invención reivindicada no puede considerarse que implique una actividad inventiva cuando el documento se asocia a otro u otros documentos de la misma naturaleza, cuya combinación resulta evidente para un experto en la materia.	

Literatura no patente	
*Se incluye entre otros, toda la referencia de la literatura no patente.	--
Fecha del reporte de búsqueda:	31/10/2018

USPTO

uspto

claims3/7

helpMyUSPTO

Public Patent Application Information Retrieval

Patent eBusiness

Electronic Filing

Patent Application Information (PAIR)

Patent Ownership

Fees

Supplemental Resources & Support

Patent Information

Patent Guidance and General Info

Codes, Rules & Manuals

Employee & Office Directories

Resources & Public Notices

Patent Searches

Patent Official Gazette

Search Patents & Applications

Search Biological Sequences

Copies, Products & Services

Patent Application Information Retrieval

Global Dossier

Order Certified Application As Filed

Order Certified File Wrapper

View Order List

14/984,122

FUNGICIDAL COMPOSITIONS

DAS-77222-02-02-US

Select New Case

Application Data

Transaction History

Image File Wrapper

Continuity Data

Published Documents

Address & Attorney/Agent

Assignments

Display References

This application is officially maintained in electronic form. To View: Click the desired Document Description. To Download and Print: Check the desired document(s) and click Start Download.

Available Documents

Mail Room Date	Document Code	Document Description	Document Category	Page Count	PDF
07-03-2018	ABN	Abandonment	PROSECUTION	1	☐
07-03-2018	APND	Notice - Defective Notice of Appeal	PROSECUTION	1	☐
12-06-2017	AP.PRE.DEC	Pre-Brief Appeal Conference decision	PROSECUTION	2	☐
11-15-2017	AP.PRE.REQ	Pre-Brief Conference request	PROSECUTION	7	☐
11-15-2017	N/AP	Notice of Appeal Filed	PROSECUTION	2	☐

ORBIT

Menu

Explorer

Patent family searches (FamPat)

Search	Result(s)	Query	Assistant	Source	Action
12	2	7 AND 8 AND 9 AND 10	Search history	FAMPAT	Show results • Modify • Save • Alert • Delete
11	3605389	(N OR N_DIALKYL CARBOXAMIDE)/BI/SA/IN/PA	Easy search	FAMPAT	Show results • Modify • Save • Alert • Delete
10	37686	(ACETATE S ESTER)/BI/SA/IN/PA	Easy search	FAMPAT	Show results • Modify • Save • Alert • Delete
9	40387	(NONIONIC S SURFACTANT)/BI/SA/IN/PA	Easy search	FAMPAT	Show results • Modify • Save • Alert • Delete
8	16165	(IONIC S SURFACTANT)/BI/SA/IN/PA	Easy search	FAMPAT	Show results • Modify • Save • Alert • Delete
7	6034	(FUNGICIDAL S COMPOSITIONS)/BI/SA/IN/PA	Easy search	FAMPAT	Show results • Modify • Save • Alert • Delete

PATBASE

PatBase

Username: SIC6@patbase.com
Subaccount: NELSON VELASCO

Menu • Search • History • Session • Folder • Order • Help • Logoff

Search 6: 1 and 2 and 3 and 4

Searching please wait retrieving results...

Search 6: 1 and 2 and 3 and 4
Results 1

Explore search

Edit and resend search

Information | Shortcuts

#	Search query	Results	Options
6	1 and 2 and 3 and 4	1	View Browse Hits Optimise more...
5	N, N-dialkylcarboxamide	37	View Browse Hits Optimise more...
4	acetate ester	805	View Browse Hits Optimise more...
3	ionic surfactant	12950	View Browse Hits Optimise more...
2	nonionic surfactant	35309	View Browse Hits Optimise more...
1	STAC=(fungicidal compositions)	2559	View Browse Hits Optimise more...

Command Reference

Bibliographic data

Textual data

Update commands

Operators

Navigation / shortcuts

Search 6: "1 and 2 and 3 and 4" 1 of 1

Display format: **Classic** Sorted by: **Publication date asc** Print Save/export Snapshot Visual explorer Analytics

Similar • Translate • Full-text • Status • Citations

Title: [EN] **FUNGICIDAL COMPOSITIONS**

Abstract: Source: US2016183526A [EN] Described herein are **fungicidal compositions** in the form of emulsifiable concentrates that comprise a first fungicidal compound, optionally, at least one additional fungicidal compound, two or more surfactants and a water immiscible organic solvent comprised of a mixture of organic compounds including an **acetate ester**, an N,N-dialkylcarboxamide and at least one of a ketone and an alcohol. The compositions are homogeneous, stable upon storage, and upon dilution in water form stable emulsions that can be sprayed onto plants to control important fungal diseases.

Classifications: [Classification Explorer](#)

International (IPC 8-3): A01G7/06 A01N A01N25/02 A01N25/04 A01N25/30 A01N37/18 A01N43/24 A01N43/40 A01N43/56 A01N43/647 A01N43/653 A01N43/90 A01N47/24 A01P3/00 C07D213/60 C07D321/00 C07D405/12 (Advanced/Invention);

A01N43/40 (Core/Invention);

A01N (Subclass/Invention)

CPC: A01N43/40 A01N43/653 A01N25/04 A01N25/30 A01N37/18 A01N47/24 A01N2300/00 A01N25/02 A01G7/06

US: 514/336

Family: Family Explorer

ESPACENET

Documents cited:	Search
	[I]» WO2013126948 (HUNTSMAN CORP AUSTRALIA PTY LTD [AU]) [I] 1-15 * claims 1-19 * * page 3, paragraph 4 - page 4, paragraph 3 * * page 5, paragraph 5 *;
	[I]» WO2013136947 (YOKOHAMA RUBBER CO LTD [JP]) [I] 1-6,8,10-15 * claims 1-18 * * page 3, paragraph 3 - page 4, paragraph 4 * * page 11, paragraphs 2-4 *;
	[I]» US7183278 (IMAMURA KEIICHI [JP], et al) [I] 1-15 * paragraphs [0053], [0055], [0069], [0076] * * claims 1-19 *;
	[I]» US7250389 (SAKANAKA OSAMU [JP], et al) [I] 1-15 * abstract * * column 16, paragraphs 3-5 *;
	[I]» US2012035054 (EHR ROBERT J [US], et al) [I] 1-15 * abstract * * page 12, paragraph 4 - page 13, paragraph 1 *;
	[A]» WO2011044213 (DOW AGROSCIENCES LLC [US], et al) [A] 1-15 * the whole document *
International search	[Y]» US2014187587 (OUIMETTE DAVID G [US], et al) [Y] 1-3 * entire document *;
	[Y]» US2012035054 (EHR ROBERT J [US], et al) [Y] 1-3 * entire document *

EPOQUENET



New connection on: : 31-10-2018 : 20:15:10 - Last disconnection on: : 31-10-2018 : 16:44:06

V 4.0.0.44358(LP,U,linux) (Rev:43856 2017-04-27 09:03:29 +0200#(D201802)) (RPM D201802)

Welcome to EPOQUE Rebuild under the Production Environment

[EPODOC: SS 6] ..fi

Select a database: ..FI EPODOC



Database: EPODOC

Records: 111.045.938

Terms: 1.468.768.108

Occurrences: 22.392.670.603

Last Update: 20181031

[EPODOC: SS 6] fungicidal AND compositions AND surfactants AND ionic AND surfactant AND nonionic AND surfactant AND acetate AND ester

Results in EPODOC **0**

[SS 7] fungicidal AND compositions

Results in EPODOC **6.812**

[SS 8] surfactants AND ionic

Results in EPODOC **4.029**

[SS 9] 7 AND 8

Results in EPODOC **15**

[SS 10] acetate AND ester

Results in EPODOC **21.358**

[SS 11] 9 AND 10

[SS 12] 9 AND alcohol

[SS 13] ..li ti ab pn



1/7 © EPODOC / EPO

TI - (A1 B2)

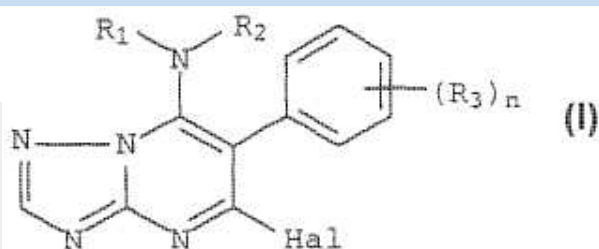
Fungicidal formulation

AB - (A1)

Adjuvants selectes from mon/**ionic** water/soluble mixed polyalkoxy-lated aliphatic **alcohol surfactants**, non **ionic** water soluble ethoxylated aliphatic **alcohol surfactants**, amine ethoxylates, and micronized polymeric waxes enhance the efficacy of **fungicidal** triazolopzrimidines of structural formula I. They can be incorporated into formulations of the **fungicidal** compounds or be added to spray mixtures (tank mix) as separately formualted additives in order to improve the efficacy and spectrum of these fungicides. This invention also provides **fungicidal compositions** of said triazolopzrimidines and adjuvants, as well as methods for their use in the control of photopathogenic fungi.

-(B2)

Adjuvants selectes from mon/**ionic** water/soluble mixed polyalkoxy-lated aliphatic **alcohol surfactants**, non **ionic** water soluble ethoxylated aliphatic **alcohol surfactants**, amine ethoxylates, and micronized polymeric waxes enhance the efficacy of **fungicidal** triazolopzrimidines of



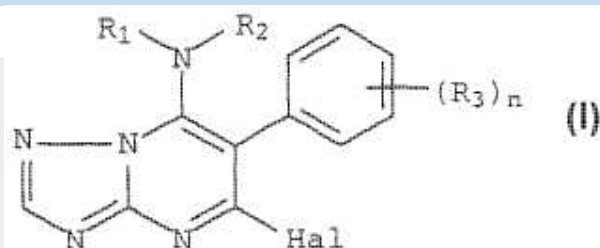
structural formula I. They can be incorporated into formulations of the **fungicidal** compounds or be added to spray mixtures (tank mix) as separately formulated additives in order to improve the efficacy and spectrum of these fungicides. This invention also provides **fungicidal compositions** of said triazolopyrimidines and adjuvants, as well as methods for their use in the control of photopathogenic fungi

PN - [US2003176427](#) A1 20030918

2/7 © EPODOC / EPO

TI - **FUNGICIDAL MIXTURE**

AB - Adjuvants selected from mon/**ionic** water/soluble mixed polyalkoxylated aliphatic **alcohol surfactants**, non-**ionic** water soluble ethoxylated aliphatic **alcohol surfactants**, amine ethoxylates, and micronized polymeric waxes enhance the efficacy of **fungicidal** triazolopyrimidines of structural formula I. They can be incorporated into formulations of the **fungicidal** compounds or be added to spray mixtures (tank mix) as separately formulated additives in order to improve the efficacy and spectrum of these fungicides. This invention also provides **fungicidal compositions** of said triazolopyrimidines and adjuvants, as well as methods for their use in the control of photopathogenic fungi. (I)

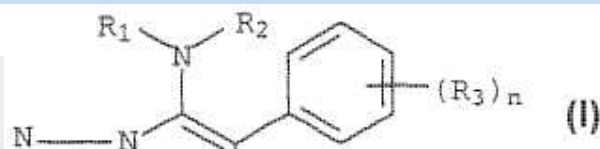


PN - [UA74007](#) C2 20030715

3/7 © EPODOC / EPO

TI - **Fungicidal** triazolopyrimidine formulations

AB - An aqueous suspension concentrate **fungicidal** formulation for



application to plants comprising at least one triazolopyrimidine of formula (I) is disclosed, wherein R1 and R2 independently denote hydrogen or C1-C10-alkyl, C2-C10-alkenyl, C2-C10-alkynyl, or C4-C10-alkadienyl, C3-C10-cycloalkyl, phenyl, naphthyl, or 5- or 6-membered heterocyclyl, containing one to four nitrogen atoms or one to three nitrogen atoms and one sulfur or oxygen atom, or 5- or 6-membered heteroaryl, containing one to four nitrogen atoms or one to three nitrogen atoms and one sulfur or oxygen atom, or where R1 and R2 radicals may be unsubstituted or may carry one to three groups Ra, wherein Ra is cyano, nitro, hydroxyl, C1-C6-alkyl, C1-C6-halo-alkyl, C3-C6-cycloalkyl, C1-C6-alkoxy, C1-C6-haloalkoxy, C1-C6-alkylthio, C1-C6-alkylamino, di-C1-C6-alkylamino, C2-C6-alkenyl, C2-C6-alkenyloxy, C2-C6-alkynyl, C3-C6-alkynyloxy and C1-C4-alkylene-dioxy; or R1 and R2 together with the interjacent nitrogen atom represent a 5- or 6-membered heterocyclic ring, containing one to four nitrogen atoms or one to three nitrogen atoms and one sulfur or oxygen atom, which may be substituted by one to three Ra radicals; R3 represents halogen or C1-C6-alkyl or C1-C6-alkoxy ; n represents an integer from 0 to 5 ; and Hal represents halogen together with one or more adjuvants selected from a) non-**ionic** water-soluble mixed polyalkoxylated aliphatic **alcohol surfactants** which is a random or block oligomer of formula: $H_{2n+1}C_n-O-(CH_2CH_2O)_x(CH_2CH(CH_3)O)_yH$ wherein: n is an integer from 8 to 18; x is an integer from 3 to 10 ; y is an integer from 1 to 3; and b) non-**ionic** water soluble ethoxylated aliphatic **alcohol surfactants**,

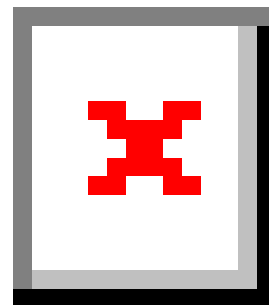
the adjuvant is present in an amount sufficient to provide a ratio of the compound of formula (I) to adjuvant at 100: 75 to 100: 100.000 in the applied formulation. Adjuvants selected from non/**ionic** water/soluble mixed polyalkoxylated aliphatic **alcohol surfactants**, non-**ionic** water soluble ethoxylated aliphatic **alcohol surfactants**, amine ethoxylates, and micronized polymeric waxes enhance the efficacy of **fungicidal** triazolopzrimidines of structural formula (I) . They can be incorporated into formulations of the **fungicidal** compounds or be added to spray mixtures (tank mix) as separately formulated additives in order to improve the efficacy and spectrum of these fungicides. Also disclosed are **fungicidal compositions** of the triazolopzrimidines and adjuvants, as well as methods for their use in the control of photopathogenic fungi.

PN - [NZ524298](#) A 20040528

4/7 © EPODOC / EPO

TI - Combined **fungicidal** and insecticidal composition comprising disodium octaborate, ethylene glycol, solvent and contact active insecticide/insect growth regulator

AB - **Compositions** with combined **fungicidal** and insecticidal activity, comprising disodium octaborate (a fungicide), ethylene glycol, a contact insecticide or contact active insect growth regulator, and a solvent for the contact insecticide or contact active insect growth regulator which is miscible with ethylene glycol, have shown good combined **fungicidal** and insecticidal properties. When used on wet



timber, these **compositions** have shown good penetrating properties into the body of the timber. The solvent used for the contact insecticide and/or contact active insect growth regulator is preferably selected from <SL> (a) ethanolamines (mono-, di-, and tri-); (b) non-**ionic surfactants**, for example **alcohol** alkanoates, e.g. **alcohol** ethoxylates, **alcohol** phenyl alkanoates, e.g. **alcohol** phenyl ethoxylates, and polyalkylene oxides, e.g. propylene oxide block copolymers, particularly preferred being iso-nonyl phenyl ethoxylate; and (c) cationic **surfactants**, for example benzalkonium chlorides. </SL> The solvent solubilises the contact insecticide and/or contact active insect growth regulator in the presence of disodium octaborate and ethylene glycol. The contact insecticide may be an insecticidal pyrethroid selected from permethrin, cypermethrin, cyfluthrin or deltamethrin. The contact active insect growth regulator may be flufenoxuron.

PN - [GB2397019](#) A 20040714

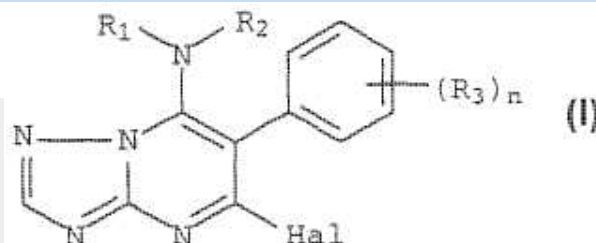
5/7 © EPODOC / EPO

TI - (A2 A3)

FUNGICIDAL FORMULATION

AB - (A2)

Adjuvants selectes from mon/**ionic** water/soluble mixed polyalkoxy-lated aliphatic **alcohol surfactants**, non-**ionic** water soluble ethoxylated aliphatic **alcohol surfactants**, amine ethoxylates, and micronized polymeric waxes enhance the efficacy of **fungicidal** triazolopzrimidines of structural formula I. They can be incorporated into formulations of the **fungicidal** compounds or be added to



spray mixtures (tank mix) as separately formulated additives in order to improve the efficacy and spectrum of these fungicides. This invention also provides **fungicidal compositions** of said triazolopzrimidines and adjuvants, as well as methods for their use in the control of photopathogenic fungi.

-(A3)

Adjuvants selectes from mon/**ionic** water/soluble mixed polyalkoxy-lated aliphatic **alcohol surfactants**, non-**ionic** water soluble ethoxylated aliphatic **alcohol surfactants**, amine ethoxylates, and micronized polymeric waxes enhance the efficacy of **fungicidal** triazolopzrimidines of structural formula (I). They can be incorporated into formulations of the **fungicidal** compounds or be added to spray mixtures (tank mix) as separately formulated additives in order to improve the efficacy and spectrum of these fungicides. This invention also provides **fungicidal compositions** of said triazolopzrimidines and adjuvants, as well as methods for their use in the control of photopathogenic fungi.

PN - [WO0215697](#) A2 20020228

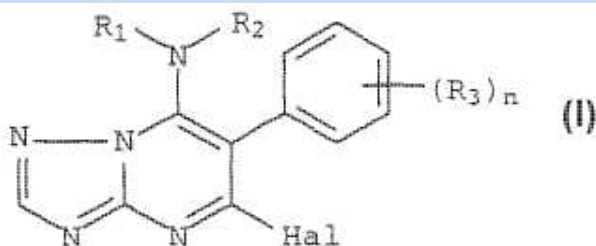
6/7 © EPODOC / EPO

TI - (B1)

FUNGICIDAL FORMULATION

AB - (B1)

Adjuvants selected from non/**ionic** water/soluble mixed polyalkoxylated aliphatic **alcohol surfactants**, non-**ionic** water soluble ethoxylated aliphatic **alcohol surfactants**, amine ethoxylates, and micronized polymeric waxes enhance the efficacy of **fungicidal** triazolopyrimidines of



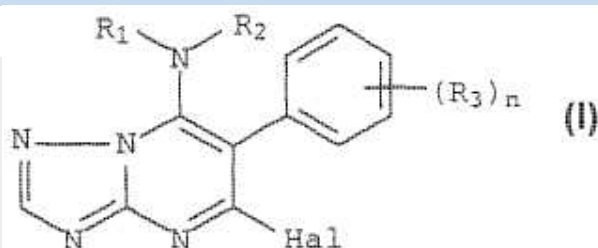
structural formula I. They can be incorporated into formulations of the **fungicidal** compounds or be added to spray mixtures (tank mix) as separately formulated additives in order to improve the efficacy and spectrum of these fungicides. This invention also provides **fungicidal compositions** of said triazolopyrimidines and adjuvants, as well as methods for their use in the control of photopathogenic fungi.

PN - [EA200300228](#) A1 20030626

7/7 © EPODOC / EPO

TI - **FUNGICIDAL FORMULATION**

AB - Adjuvants selectes from mon/**ionic** water/soluble mixed polyalkoxy-lated aliphatic **alcohol surfactants**, non-**ionic** water soluble ethoxylated aliphatic **alcohol surfactants**, amine ethoxylates, and micronized polymeric waxes enhance the efficacy of **fungicidal** triazolopzrimidines of structural formula (I). They can be incorporated into formulations of the **fungicidal** compounds or be added to spray mixtures (tank mix) as separately formulated additives in order to improve the efficacy and spectrum of these fungicides. This invention also provides **fungicidal compositions** of said triazolopzrimidines and adjuvants, as well as methods for their use in the control of photopathogenic fungi.</SDOA B>



PN - [CA2420217](#) A1 20020228

[SS 13]