

INFORME DE BÚSQUEDA DE PATENTES				
N° de solicitud: NC2016/0005682				
CRITERIOS PARA LA BÚSQUEDA (Anexar pantallazo o reporte en PDF, junto con los boléanos utilizados*. Para el caso de secuencias, anexar alineamientos)				
PALABRAS CLAVE UTILIZADAS		Patbase: búsqueda por estructura AND herbicide Orbit: Abstract, Claims: herbicide, AND Abstract, Description: benzyloxy AND Abstract, Description: thiazinone AND IPC: A01N Epoquenet: herbicide AND /PD<20140717 AND benzyloxy AND dione+		
CLASIFICACIONES UTILIZADAS PARA LA BÚSQUEDA		CIP: C07D 237/16, A01N 43/58, C07D 235/22, A01N 25/02 CPC:		
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 o números de secuencias)	Categorías especiales de los documentos citados***
SIPI (Obligatoria)	04013831	18/02/2004		A
	05001392	11/01/2005		A
	10100356	17/08/2010		A
	10154103	07/12/2010		A
	10154106	07/12/2010		A
	07095798	17/09/2007		A
ISR	WO2009035150	19/03/2009		A
	WO2010104217	16/09/2010		A
	WO2014119770	07/08/2014		P
	US20100184602	22/07/2010	1 a 12 (Rev. 1)	Y
Patbase	GB2546336	19/07/2017		P
	US2013281299	24/10/2013		A
	US2010173775	08/07/2010		A
	JP2013253050	19/12/2013		A
	JP2013253051	19/12/2013		A
	JP2013253052	19/12/2013		A
	JP2013253053	19/12/2013		A
	JP2013253054	19/12/2013		A
	US20020004457	10/01/2002	1 a 12 (Párr. 0017)	Y
Orbit	ES2646122	12/12/2017		P
	US2018111948	24/04/2018		P
EPOQUENET	JPH02167283	27/06/1990		A
	CA1235918	03/05/1988		A
	CA1226868	15/09/1987		A
*** 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.	
**** Indicar entre paréntesis la Autoridad que realizó la búsqueda o el informe preliminar Ejs: EPO, JP, INAPI.				

Literatura no patente

**Se incluye entre otros, toda la referencia de la literatura no patente.

Fecha del reporte de búsqueda:

19/06/2018

1 Reference is made to the following documents:

- D1 WO 2009/035150 A2 (SUMITOMO CHEMICAL CO [JP]; FUSAKA TAKAFUMI [JP]) 19 March 2009
- D2 WO 2010/104217 A1 (SUMITOMO CHEMICAL CO [JP]; FUSAKA TAKAFUMI [JP]) 16 September 2010
- D3 WO 2014/119770 A1 (SUMITOMO CHEMICAL CO [JP]) 7 August 2014



Username: sic7@patbase.com
Subaccount: none

Menu Search History Session Folder Order Help Logoff

#	Search query	Results	Options
1	[Chemical Explorer]: Selected structures (3)	2	View Browse Hits Optimise more...

Information Shortcuts

Command Reference

Search 1: "[Chemical Explorer]: Selected structures (3)" 1-2 of 2

Display results

Display format: Scan Sorted by: Relevance Print Save/export Snapshot Visual explorer Analytics

1) Family number: 59781386 (US2018116219A)

Similar Translate Full-text Status Citations

HERBICIDAL COMPOUNDS

Abstract: Source: US2018116219A The present invention relates to herbicidal heteroaryl-alkyl-oxy-substituted heteroaryl/phenyl-pyridazine-diones and heteroaryl-alkyl-oxy-substituted heteroaryl/phenyl-pyridazinone derivatives of formula (I), as well as to processes and intermediates used for the preparation of such derivatives. The invention further extends to herbicidal compositions comprising such derivatives, as well as to the use of such compounds and compositions in controlling undesirable plant growth; in particular the use in controlling weeds, such as broad-leaved dicotyledonous weeds, in crops of useful plants.

Probable Assignee: SYNGENTA PARTICIPATIONS AG

Earliest Publication Date: 20161103

2) Family number: 62000846 (GB2546336A)

Similar Translate Full-text Status Citations

INTERMEDIATE COMPOUNDS

Abstract: Source: GB2546336A Benzyloxy-phenyl-hydrazone ester derivatives as intermediates for the preparation of herbicidal compounds A compound of formula (I) or a salt or N-oxide thereof, wherein R2 is a substituent as herein defined; R3 is C1-C6alkyl; X and Y are each independently hydrogen, C1-C3alkyl, C1-C3alkoxy, C1-C3haloalkyl, C1-



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Menu Search History Session Folder Order Help Logoff

Search 5: 2 and 4
Results 8

Explore search

Edit and resend search

#	Search query	Results	Options
5	2 and 4	8	View Browse Hits Optimise more...
4	herbicide	58770	View Browse Hits Optimise more...
3	herbicide	13	View Browse Hits Optimise more...
2	[Chemical Explorer]: Selected structures (25)	15	View Browse Hits Optimise more...

Information Shortcuts

Command Reference

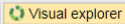
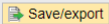
Bibliographic data
Textual data
Update commands

Search 5: "2 and 4 " 1-8 of 8

Display results

Display format: Scan

Sorted by: Relevance

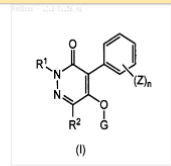


1) Family number: 51432345 (US2013281299A)

Similar • Translate • Full-text • Status • Citations

PYRIDAZINONE COMPOUND AND HERBICIDE AND NOXIOUS ARTHROPOD CONTROLLING AGENT COMPRISING IT

Abstract: Source: US2013281299A The present invention relates to a pyridazinone compound of the formula (I): wherein R¹ represents hydrogen, a C1-6 alkyl group, and the like, R² represents halogen, a cyano group, a nitro group, a C1-6 alkoxy group, and the like, G represents hydrogen, and the like, Z represents halogen, a cyano group, a nitro group, a C1-6 alkyl group, and the like, and n represents an integer of 1-5 useful as an active ingredient in a herbicide and a noxious arthropod controlling agent.

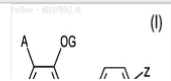
Probable Assignee: SUMITOMO CHEMICAL CO LTD**Earliest Publication Date:** 20120705

2) Family number: 45549437 (US2010173775A)

Similar • Translate • Full-text • Status • Citations

HERBICIDALLY AND INSECTICIDALLY ACTIVE 4-PHENYL-SUBSTITUTED PYRIDAZINONES

Abstract: Source: US2010173775A The invention describes phenyl-substituted pyridazinones of the formula (I) as herbicides and insecticides.



Easy search Save strategy

Menu Filter Explorer 4 results for ((HERBICIDE)/AB/IW/CLMS AND (benzyloxy)/AB/IW/DESC/ODES AND (thiazinone)/TI/AB/IN) Preview Image

Filter options

- Legal status
 - Alive
 - Dead
- 1st application year
 - After 2015
 - 2011-2015
 - 2006-2010
 - 2001-2005
 - Before 2001
- Assignee
- Litigations
- Oppositions

#	Title	Publication number	1st App. date	Applicant/Assignee	Relevanc	Litigation
1	Herbicidal compounds	WO2016174073	2016-04-27	SYNGENTA PA...	100 %	
2	Herbicidal pyridazinone derivatives	GB201412735	2014-07-17	SYNGENTA PA...	71 %	
3	Herbicidal 3-(2-benzyloxyphenyl)-2,4-dihydroxy-1,6-naphthyridine derivatives	GB201319411	2013-11-01	SYNGENTA*	69 %	
4	Herbicidal compounds	GB201520137	2015-11-16	SYNGENTA PA...	64 %	

Herbicidal compounds

Título	HERBICIDA																													
Fecha de presentación	desde hasta	Número de prioridad																												
Fecha de orden de publicación	desde hasta	Fecha de prioridad	desde hasta																											
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Fecha de Vencimiento para Anualidad	desde hasta	Vigencia	desde hasta																											
Fecha de publicación	desde hasta	Fecha de entrada en fase nacional	desde hasta																											
Estado(s)	Seleccionar																													
Sector Tecnológico																														
Tipo de solicitud																														
Solicitante/Titular de la patente	Apoderado																													
	<table><thead><tr><th>Número de identificación</th><th>Nombre(s)</th><th>Apellido(s)</th></tr></thead><tbody><tr><td>155746</td><td>SYNGENTA PARTICIPATIONS A.G.</td><td> Suprimir</td></tr><tr><td></td><td>Syngenta Participations AG</td><td> Suprimir</td></tr><tr><td></td><td>Syngenta Participations AG</td><td> Suprimir</td></tr><tr><td>452539</td><td>Syngenta Participations AG</td><td> Suprimir</td></tr><tr><td>524072</td><td>Syngenta Participations AG</td><td> Suprimir</td></tr><tr><td></td><td>SYNGENTA PARTICIPATIONS AG</td><td> Suprimir</td></tr><tr><td>1028248</td><td>SYNGENTA PARTICIPATIONS AG</td><td> Suprimir</td></tr><tr><td>1034951</td><td>SYNGENTA PARTICIPATIONS AG</td><td> Suprimir</td></tr></tbody></table>			Número de identificación	Nombre(s)	Apellido(s)	155746	SYNGENTA PARTICIPATIONS A.G.	Suprimir		Syngenta Participations AG	Suprimir		Syngenta Participations AG	Suprimir	452539	Syngenta Participations AG	Suprimir	524072	Syngenta Participations AG	Suprimir		SYNGENTA PARTICIPATIONS AG	Suprimir	1028248	SYNGENTA PARTICIPATIONS AG	Suprimir	1034951	SYNGENTA PARTICIPATIONS AG	Suprimir
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1028248	SYNGENTA PARTICIPATIONS AG	Suprimir																												
1034951	SYNGENTA PARTICIPATIONS AG	Suprimir																												

12 Casos asociados

Expediente No.	Título	Figura Característica	Fecha de presentación	Estado(s)	Titular
 01009420	METODO PARA CONTROLAR EL CRECIMIENTO DE UNA PLANTA EN CULTIVOS TOLERANTES AL HERBICIDA DE PLANTAS		08 feb 2001	Negada	SYNGENTA PARTICIPATIONS AG.
 02085239	COMPOSICION HERBICIDA SINERGICA QUE COMPRENDE PRETILACHLOR Y PROSULFOCARB		23 sep 2002	Caducado	SYNGENTA PARTICIPATIONS AG.
 02085239A	COMPOSICION HERBICIDA SINERGICA QUE COMPRENDE PRETILACHLOR Y MOLINATE		23 sep 2002	Caducado	SYNGENTA PARTICIPATIONS AG.
 04013830	COMPOSICION HERBICIDA		18 feb 2004	Negada	SYNGENTA PARTICIPATIONS AG.
 05001392	COMPOSICION HERBICIDA		11 ene 2005	Negada	SYNGENTA PARTICIPATIONS AG.
 07095798	COMPOSICIÓN HERBICIDA QUE COMPRENDE 3-[[[5-(DIFLUOROMETOXI)-1-METIL-3-(TRIFLUOROMETIL)-1H-PIRAZOL-4-IL]METIL]SULFONIL]-4,5-DIHI-DRO-5,5-DIMETIL-ISOXAZOL Y 4-HIDROXI-3-[[2-[(2-METOXIETOXI)METIL]-5-(TRIFLUOROMETIL)-3-PIRIDINIL]CARBONIL]-BICICLO[3.2.1]OCT-3-EN-2-ONA])		17 sep 2007	Caducado	SYNGENTA PARTICIPATIONS AG.
 07095798A	COMPOSICIÓN HERBICIDA QUE COMPRENDE 3-[[[5-(DIFLUOROMETOXI)-1-METIL-3-(TRIFLUOROMETIL)-1H-PIRAZOL-4-IL]METIL]SULFONIL]-4,5-DIHI-DRO-5,5-DIMETIL-ISOXAZOL Y TEMBOTRIONA		17 sep 2007	Caducado	SYNGENTA PARTICIPATIONS AG.
 07095798B	COMPOSICIÓN HERBICIDA QUE COMPRENDE 3-[[[5-(DIFLUOROMETOXI)-1-METIL-3-(TRIFLUOROMETIL)-1H-PIRAZOL-4-IL]METIL]SULFONIL]-4,5-DIHI-DRO-5,5-DIMETIL-ISOXAZOL Y TOPRAMEZONA		17 sep 2007	Caducado	SYNGENTA PARTICIPATIONS AG.
 08131444	COMPUESTOS HERBICIDA DE PIRANDIONA, TIOPIRANDIONA Y CICLOHEXANTRIIONA, PROCESOS PARA LA PREPARACIÓN E INTERMEDIARIOS PARA SU PREPARACIÓN		11 dic 2008	Caducado	SYNGENTA PARTICIPATIONS AG.

Internal - Current DB: EPODOC - Search Recording ON

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CCl - [A01N35/10](#) ; [A01N43/12](#) ; [A01N43/38](#) ; [A01N43/52](#) ; [A01N43/74](#) ; [C07D333/54](#) ; [C07C45/513](#) ; [C07D277/66](#) ; [C07D307/79](#) ; [C07D307/80](#) ; [C07D307/81](#)

CLC - [C07C45/513](#) , [C07C47/453](#) , INV

IDT - 124BG5C3B21; 124CF6NJ4A

PA - ICI AUSTRALIA LTD

TI - 5-(FUSED BENZO-HETEROCYCLOPENTENYL) SUBSTITUTED CYCLOHEXAN-1,3-DIONE DERIVAT

AB - 5-(Fused Benzo-heterocyclopentenyl) substituted Cyclohexan-1, 3-dione Derivatives The inven
compounds of the formula I < IMG > I wherein: A is selected from CH and N; B is selected from
group N-Z wherein Z is selected from the group consisting of hydrogen, alkyl, alkenyl, alkynyl, c
substituted benzyl; X, which may be the same or different, and X1, which be the same or differ
halogen, nitro, cyano, alkyl, substituted alkyl, hydroxy, alkoxy, substituted alkoxy, alkenyl, alker
acyloxy, alkoxycarbonyl, alkylthio, alkylsulfinyl, alkylsulfonyl, sulfamoyl, substituted sulfamoyl,
substituted **benzyloxy**, amino, substituted amino, and the groups formyl and alkanoyl and the e
derivatives thereof; R1 is selected from hydrogen, alkyl, alkenyl, alkynyl, substituted alkyl, alkyl
an inorganic or organic cation; R2 is selected from alkyl, substituted alkyl, alkenyl, haloalkenyl,
selected from alkyl, fluoroalkyl, alkenyl, alkynyl, and phenyl; R4 is selected from hydrogen, halo
alkoxycarbonyl; n is 0 or an integer chosen from 1 to 4; and n1 is 0 or an integer chosen from 1
invention show herbicidal properties and plant growth regulating properties and in further emb
provides processes for the preparation of compounds of formula I, intermediates useful in the
compounds of formula I, compositions containing as active ingredient a compound of formula
growth regulating processes utilizing come pounds of formula I.

Database SS Status Results Query

EPODOC	1		26852	HERBICIDE
	2		91793232	/PD<20140717
	3		5930	BENZYLOXY
	4		30	THIAZINONE
	5		22723	1 AND 2
	6		137	5 AND 3
	7		0	6 AND 4
	8		0	1 AND 2 AND 3 AND 4
	9		137	1 AND 2 AND 3
	10		18051	DIONE+
	11		3	9 AND 10

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