

INFORME DE BÚSQUEDA DE PATENTES				
N° de solicitud: NC2016/0002699				
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		Transgenic Chloroplast, production siRNA, dsRNA targeting plant pests, silencing of genes.		
CLASIFICACIONES UTILIZADAS PARA LA BÚSQUEDA		CIP: C12N 15/113 // 15/29 // 15/82.		
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	No hay registros que puedan afectar la patentabilidad de la solicitud.	-	-	-
ISA/IPEA (****) (13/04/2015)	WO2007104570	20/09/2007	-	A
	WO2007011479	25/01/2007	Rv. 10 a 18 (Pág. 8, Párr. [0023] - Pág. 41, Párr. [0103] - Pág. 72, Rv. 1 - Pág. 73, Rv. 3).	X
	WO2012054919	26/04/2012	-	A
EPO (06/09/2017)	Hotto Amber M. <i>et al.</i> , 2010.	29/09/2010	Rv. 10 a 14 (Abstract – Pág. 2, Col. 2, Párr. 1 – Pág. 3, Fig. 1).	X
Patbase*	US2005095199	05/05/2005	-	A
	US2004231016	18/11/2004	-	A
	US2006272049	30/11/2006	-	A
	US2009263364	22/10/2009	-	A
	US2010068172	18/03/2010	Rv. 10 a 18 (Pág. 10, Párr. [0130] - Ejemplo 7, Párr. [0334] - Pág. 15, Párr. [0189]).	X
	US2014283201	18/09/2014	-	A
STNext	WO2013175480	28/11/2013	-	A
EPODOC	WO2012054919	26/04/2012	-	A
	US2003041353	27/02/2003	-	A
	US2005198704	08/09/2005	-	A
	WO0164024	07/08/2001	-	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

- Hotto Amber M. *et al.*, 2010. Overexpression of a natural chloroplast-encoded antisense RNA in tobacco destabilizes 5S rRNA and retards plant growth. BMC PLANT BIOLOGY, 20100929 BIOMED CENTRAL, LONDON, GB. Vol: 10, Nr: 1, Page(s): 213.

Fecha del reporte de búsqueda:

02/05/2018

Búsqueda en PatBase



Username: SIC3@patbase.com
Subaccount: Mario Forero

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

#	Search query	Results	Options
5	TAC=((dsRNA OR Double-stranded) AND PLASTID*) and CPC=(C12N)	45	View Browse Hits Optimise more...
4	TAC=((dsRNA OR Double-stranded) AND (gen* NEAR silencing)) AND Chloroplast*) and CPC=(C12N)	7	View Browse Hits Optimise more...
3	TAC=((dsRNA AND (gen* NEAR silencing)) AND Chloroplast*) and CPC=(C12N)	6	View Browse Hits Optimise more...
2	TAC=((dsRNA AND (gen* NEAR silencing)) AND plant*) and CPC=(C12N)	94	View Browse Hits Optimise more...
1	TAC=((dsRNA AND (gen* NEAR silencing)))	222	View Browse Hits Optimise more...

Information | Shortcuts

Command Reference

Bibliographic data
Textual data
Update commands
Operators
Navigation / shortcuts

Búsqueda en STNetx

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 19:06:34 ON 01 MAY 2018

=> S "dsDNA" OR "Double-stranded DNA"+UF,OLD/CT OR "Double-stranded DNA"+ALL/CT

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> Fil BIOSIS CAPLUS INPADOCDB PCTFULL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	3.40	3.40

FILE 'BIOSIS' ENTERED AT 19:12:19 ON 01 MAY 2018

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FILE 'CAPLUS' ENTERED AT 19:12:19 ON 01 MAY 2018

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FILE 'INPADOCDB' ENTERED AT 19:12:19 ON 01 MAY 2018

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FILE 'PCTFULL' ENTERED AT 19:12:19 ON 01 MAY 2018

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FILE 'REGISTRY' ENTERED AT 19:12:19 ON 01 MAY 2018

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=> S "dsDNA" OR "Double-stranded DNA"+UF,OLD/CT OR "Double-stranded DNA"+ALL/CT

RELATIONSHIP 'OLD' IGNORED

NOT A VALID RELATIONSHIP CODE FOR FIELD 'CT'

'"DOUBLE-STRANDED DNA"' NOT IN RELATIONSHIP FILE

RELATIONSHIP CODE 'UF,OLD' IGNORED

'"DOUBLE-STRANDED DNA"' NOT IN RELATIONSHIP FILE

```

RELATIONSHIP CODE 'ALL' IGNORED
L1      283785 FILE BIOSIS
L2      557588 FILE CAPLUS
'CT' IS NOT A VALID FIELD CODE
L3      490 FILE INPADOCDB
'CT' IS NOT A VALID FIELD CODE
L4      9781 FILE PCTFULL
'CT' IS NOT A VALID FIELD CODE
L5      160 FILE REGISTRY

```

TOTAL FOR ALL FILES

```

L6      851804 "DSDNA" OR "DOUBLE-STRANDED DNA"+UF,OLD/CT OR "DOUBLE-STRANDED
          DNA"+ALL/CT

```

=> S "Chloroplast" OR "Chloroplast"+UF,OLD/CT OR "Chloroplast"+RT/CT OR "Chloroplast"+NT/CT

```

RELATIONSHIP 'OLD' IGNORED
NOT A VALID RELATIONSHIP CODE FOR FIELD 'CT'
'"CHLOROPLAST"' NOT IN RELATIONSHIP FILE
RELATIONSHIP CODE 'UF,OLD' IGNORED
'"CHLOROPLAST"' NOT IN RELATIONSHIP FILE
RELATIONSHIP CODE 'RT' IGNORED
'"CHLOROPLAST"' NOT IN RELATIONSHIP FILE
RELATIONSHIP CODE 'NT' IGNORED
L7      62805 FILE BIOSIS
L8      110213 FILE CAPLUS
'CT' IS NOT A VALID FIELD CODE
L9      1233 FILE INPADOCDB
'CT' IS NOT A VALID FIELD CODE
L10     8932 FILE PCTFULL
'CT' IS NOT A VALID FIELD CODE
L11     125037 FILE REGISTRY

```

TOTAL FOR ALL FILES

```

L12     308220 "CHLOROPLAST" OR "CHLOROPLAST"+UF,OLD/CT OR "CHLOROPLAST"+RT/CT
          OR "CHLOROPLAST"+NT/CT

```

=> S "Chloroplast" OR "Chloroplast"+UF,OLD/CT OR "Chloroplast"+RT/CT OR "Chloroplast"+NT/CT AND
"Recombination, genetic" OR "Recombination, genetic"+UF,OLD/CT OR "Recombination, genetic"+RT/CT OR
"Recombination, genetic"+NT/CT

```

RELATIONSHIP 'OLD' IGNORED
NOT A VALID RELATIONSHIP CODE FOR FIELD 'CT'
'"CHLOROPLAST"' NOT IN RELATIONSHIP FILE
RELATIONSHIP CODE 'UF,OLD' IGNORED
'"CHLOROPLAST"' NOT IN RELATIONSHIP FILE
RELATIONSHIP CODE 'RT' IGNORED
'"CHLOROPLAST"' NOT IN RELATIONSHIP FILE
RELATIONSHIP CODE 'NT' IGNORED
RELATIONSHIP 'OLD' IGNORED
NOT A VALID RELATIONSHIP CODE FOR FIELD 'CT'
'"RECOMBINATION, GENETIC"' NOT IN RELATIONSHIP FILE
RELATIONSHIP CODE 'UF,OLD' IGNORED
'"RECOMBINATION, GENETIC"' NOT IN RELATIONSHIP FILE
RELATIONSHIP CODE 'RT' IGNORED
'"RECOMBINATION, GENETIC"' NOT IN RELATIONSHIP FILE
RELATIONSHIP CODE 'NT' IGNORED
L13     62805 FILE BIOSIS
L14     404378 FILE CAPLUS
'CT' IS NOT A VALID FIELD CODE
L15     1233 FILE INPADOCDB
'CT' IS NOT A VALID FIELD CODE
L16     8932 FILE PCTFULL
'CT' IS NOT A VALID FIELD CODE
L17     125037 FILE REGISTRY

```

TOTAL FOR ALL FILES

```

L18     602385 "CHLOROPLAST" OR "CHLOROPLAST"+UF,OLD/CT OR "CHLOROPLAST"+RT/CT
          OR "CHLOROPLAST"+NT/CT AND "RECOMBINATION, GENETIC" OR "RECOMBIN
          ATION, GENETIC"+UF,OLD/CT OR "RECOMBINATION, GENETIC"+RT/CT OR
          "RECOMBINATION, GENETIC"+NT/CT

```

=> S "Plastid" OR "Plastid"+UF,OLD/CT AND "Vascular plant" OR "Plants, vascular"+UF,OLD/CT

```

RELATIONSHIP 'OLD' IGNORED
NOT A VALID RELATIONSHIP CODE FOR FIELD 'CT'
'"PLASTID"' NOT IN RELATIONSHIP FILE
RELATIONSHIP CODE 'UF,OLD' IGNORED
RELATIONSHIP 'OLD' IGNORED
NOT A VALID RELATIONSHIP CODE FOR FIELD 'CT'
'"PLANTS, VASCULAR"' NOT IN RELATIONSHIP FILE
RELATIONSHIP CODE 'UF,OLD' IGNORED
L19      19985 FILE BIOSIS
'"PLANTS, VASCULAR"' NOT IN RELATIONSHIP FILE
RELATIONSHIP CODE 'UF,' IGNORED
L20      17444 FILE CAPLUS
'CT' IS NOT A VALID FIELD CODE
L21      1203 FILE INPADOCDB
'CT' IS NOT A VALID FIELD CODE
L22      5071 FILE PCTFULL
'CT' IS NOT A VALID FIELD CODE
L23      61741 FILE REGISTRY

TOTAL FOR ALL FILES
L24      105444 "PLASTID" OR "PLASTID"+UF,OLD/CT AND "VASCULAR PLANT" OR "PLANTS
          , VASCULAR"+UF,OLD/CT

=> S "Nucleic acids" OR "Nucleic acids"+ALL/CT AND "Vectors" OR "Genetic vectors"+ALL/CT

'"NUCLEIC ACIDS"' NOT IN RELATIONSHIP FILE
RELATIONSHIP CODE 'ALL' IGNORED
'"GENETIC VECTORS"' NOT IN RELATIONSHIP FILE
RELATIONSHIP CODE 'ALL' IGNORED
L25      46352 FILE BIOSIS
L26      527594 FILE CAPLUS
'CT' IS NOT A VALID FIELD CODE
L27      58352 FILE INPADOCDB
'CT' IS NOT A VALID FIELD CODE
L28      137336 FILE PCTFULL
'CT' IS NOT A VALID FIELD CODE
L29      51 FILE REGISTRY

TOTAL FOR ALL FILES
L30      769685 "NUCLEIC ACIDS" OR "NUCLEIC ACIDS"+ALL/CT AND "VECTORS" OR "GENE
          TIC VECTORS"+ALL/CT

=> S L24 AND L30

L31      60 FILE BIOSIS
L32      1276 FILE CAPLUS
L33      15 FILE INPADOCDB
L34      4136 FILE PCTFULL
L35      0 FILE REGISTRY

TOTAL FOR ALL FILES
L36      5487 L24 AND L30

=> S L36 AND L6

L37      1 FILE BIOSIS
L38      205 FILE CAPLUS
L39      0 FILE INPADOCDB
L40      240 FILE PCTFULL
L41      0 FILE REGISTRY

TOTAL FOR ALL FILES
L42      446 L36 AND L6

=> S "Controlled-release pesticides" OR "Controlled-release pesticides"+ALL/CT AND "Insects" OR
"INSECTA"+ALL/CT AND "Pest control" OR "Pests"+ALL/CT

'"CONTROLLED-RELEASE PESTICIDES"' NOT IN RELATIONSHIP FILE
RELATIONSHIP CODE 'ALL' IGNORED
'"INSECTA"' NOT IN RELATIONSHIP FILE
RELATIONSHIP CODE 'ALL' IGNORED
'"PESTS"' NOT IN RELATIONSHIP FILE
RELATIONSHIP CODE 'ALL' IGNORED
L43      12 FILE BIOSIS

```

TOO MANY TERMS RESULTING FROM 'INSECTA' - SEARCH ENDED.
 You have entered a search term and relationship code which requires the system to search for a number of terms which will exceed system limits. For more information about terms which cause this problem, and about how to respecify your search by using a more restrictive relationship code, or a narrower term, enter "HELP TERMS" at an arrow prompt (=>).

=> S "Controlled-release pesticides" AND "Insects"AND "Pest control"

L44 0 FILE BIOSIS
 L45 11 FILE CAPLUS
 L46 0 FILE INPADOCDB
 L47 2 FILE PCTFULL
 L48 0 FILE REGISTRY

TOTAL FOR ALL FILES

L49 13 "CONTROLLED-RELEASE PESTICIDES" AND "INSECTS"AND "PEST CONTROL"

=> S L42 AND L49

L50 0 FILE BIOSIS
 L51 0 FILE CAPLUS
 L52 0 FILE INPADOCDB
 L53 0 FILE PCTFULL
 L54 0 FILE REGISTRY

TOTAL FOR ALL FILES

L55 0 L42 AND L49

=> S L42 PATENT/DT

MISSING OPERATOR L42 PATENT/DT

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> S L42 AND PATENT/DT

L56 0 FILE BIOSIS
 L57 81 FILE CAPLUS
 L58 0 FILE INPADOCDB
 L59 240 FILE PCTFULL
 L60 0 FILE REGISTRY

TOTAL FOR ALL FILES

L61 321 L42 AND PATENT/DT

=> S PRD=20140312 AND L42

'20140312' NOT A VALID FIELD CODE

L62 0 FILE BIOSIS
 L63 0 FILE CAPLUS
 L64 0 FILE INPADOCDB
 L65 1 FILE PCTFULL
 '20140312' NOT A VALID FIELD CODE
 L66 0 FILE REGISTRY

TOTAL FOR ALL FILES

L67 1 PRD=20140312 AND L42

Búsqueda en EPODOC

EPODOC	SS Status	Results	Query
1		275	TRANSGENIC+ AND CHLOROPLAST+
2		5.288	SILENCIN+ AND GEN+
3		13	1 AND 2
4		2.485	DSRNA

5

0 3 AND 4

6

1.111.913 /IC C12N

7

12 3 AND 6