503410378 07/27/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3457013

SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEY	ANCE:	CE: ASSIGNMENT		
CONVEYING PARTY	ΟΑΤΑ			
		Name	Execution Date	
IAIN O'CALLAGHAN			10/25/2013	
BENJAMIN M NUGEN	Т		10/23/2013	
KEVIN G MEYER			10/23/2013	
W. JOHN OWEN			10/23/2013	
CHENGLIN YAO			10/23/2013	
TIMOTHY P MARTIN			10/24/2013	
JEREMY WILMOT			10/23/2013	
JOHNATHAN E DELO	RBE		10/29/2013	
WILLIAM H DENT III			10/23/2013	
ANNE M WILSON		10/17/2013		
RECEIVING PARTY D Name:		AGROSCIENCES LLC		
Street Address:		ZIONSVILLE ROAD		
City:		NAPOLIS		
State/Country:		NDIANAFOLIS		
Postal Code:		46268		
PROPERTY NUMBER	S Total:	4		
Property Type	•	Number		
Application Number:		14500628		
Application Number:		14500621		
PCT Number:		US2014058061		

CORRESPONDENCE DATA

PCT Number:

Fax Number:	(317)337-4847	
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.		
Phone:	3173374820	
Email:	mdlyons@dow.com	
Correspondent Name:	DOW AGROSCIENCES LLC	
Address Line 1:	9330 ZIONSVILLE ROAD	

US2014058065

503410378

PATENT

Address Line 4: INDI.	ANAPOLIS, INDIANA 46268
ATTORNEY DOCKET NUMBER:	72481 PSP
NAME OF SUBMITTER:	MICHELE LYONS
SIGNATURE:	/Michele Lyons/
DATE SIGNED:	07/27/2015
Total Attachments: 39	
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ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this 1st day of October, 2013, by Benjamin M. Nugent; Kevin G. Meyer; W. John Owen; Chenglin Yao; Timothy P. Martin; Anne & Wilson; lain O'Callaghan; Jeremy Wilmot; Jonathan E. DeLorbe; and William H. Dent, III (hereinafter referred to as Assignors), residing at 794 King Fisher Drive. Brownsburg, Indiana 46112; 100 Lexington Court, Zionsville, Indiana 46077; 12421 Pebblepointe Pass, Carmel, Indiana 46033; 14178 Esprit Drive, Westfield, Indiana 46074; 6095 Ramsey Drive, Noblesville, Indiana 46062; 8913 Sourwood Ct., Indianapolis, Indiana 46260; Farrantouke Lodge, Farm Lane, Kinsale, County Cork, IRELAND; 753 Bloor Woods Court, Zionsville, Indiana 46077; 2130 Williams Glen Blvd., Zionsville, Indiana 46077; and 8350 Pine Branch Lane, Indianapolis, Indiana 46234, respectively;

WHEREAS. Assignors have invented certain new and useful improvements in MACROCYCLIC PICOLINAMIDE COMPOUNDS WITH FUNGICIDAL ACTIVITY, set forth in a Patent application for Letters Patent of the United States, already filed on October 1, 2013 as U.S. Application No. 61/885,380; and

WHEREAS, Dow AgroSciences LLC. a Limited Liability Company organized under and pursuant to the laws of Delaware having its principal place of business at 9330 Zionsville Road, Indianapolis, Indiana 46268 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, for good and valuable consideration and/or the remuneration received for my/our work and/or other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and to any and all priority applications, direct and indirect divisions, continuations, continuations-in-part related to said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon.

PATENT REEL: 036191 FRAME: 0694

and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignce, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee. Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal inventions, or said Patent application for Letters Patent, or any proceeding in connection with said inventions, or said Patent application for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

22482-025-2259

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AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this

document:

DOW AGROSCIENCES LLC

All practitioners at Customer Number 25212

AND Assignors acknowledge an obligation of assignment of this invention to

Assignce at the time the invention was made.

12560 435-858

Benjamin M. Nugent

Date:		
State C	States of America) Sf	
Count	y ol municipality and the second seco	, before me
On th perso desci	is Benjamin M. Nugent, to inclu- mally came Benjamin M. Nugent, to inclu- mibed in and who executed the foregoing instrument, and ackno	before me sown to be the individual wledged execution
ofth	e same.	

Notary Public

22.00 · (18.19.90)

			Kevin G. M	ауст 2 у ст
Date:				
United States of Ar State of County of		annun j		
On this personally came described in and w of the same.	day of Kevin G. N /ho executed the forego	Aeyer ing instrument,		

Notary Public

72693.23.838

		W. John Owen
Date:	Manufacture and a second s	
United States of State of County of	America) \$ \$6.: }
	day of W. John Ower who executed the foregoing	, to me known to be the individual nstrument, and acknowledged execution

12451-08-839

		Chenglin Yao
Date:		
United States of A State of County of)
On this personally came described in and w of the same.	~~~~~ (°	, before me henglin Yao , to me known to be the individual e foregoing instrument, and acknowledged execution

Notary Public

23431-425-8358

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			Timothy P. Martin
Date:			
United States of Ame	erica)) ss.:	
State of County of)	
On this	day of		, before me
personally came described in and who of the same.	Timothy executed the for	P. Martin egoing instrume	to me known to be the individual nt, and acknowledged execution

Notary Public

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		ļ.	Anne A. Wilson
Date:			
United States of A	merica)	
State of) \$5.:	
County of)	
On this	day of	,	, before me
personally came	Anne A		known to be the individual
described in and w	/ho executed the fore	going instrument, and acka	nowledged execution
of the same.			

Notary Public

la Olalla Iain O'Callaghan

10/25/13 Date: Ireland 3 State of) ss.: County of `oßK ž

2500 day of <u>DE TOBER</u> lain O'Callaghan On this • personally came described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public

Milchaul Patrwell, "Carnig Eda", Tulligmore, Stationaring, Co. Cort, Iretand Notary Public & Commissioner for Oxths For the County of Cash, Briand Communicationant for Life

12480 - 128 - 1988

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	Jeremy Wilmot
Date:	
6)) \$\$.:)
On this day of	Jeremy Wilmot, to me known to be the individual the foregoing instrument, and acknowledged execution

 Jonathan E. DeLorbe

 Date:

 United States of America

 State of

 County of

 On this
 day of

 personally came
 Jonathan E. DeLorbe

 to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

PATENT REEL: 036191 FRAME: 0705

724844054989

			William H. Dent, III
Date:			
United States of An	nerica	\$	
State of) ss.:	
County of)	
On this	day of	······································	, before me
personally came			to me known to be the individual
described in and wh of the same.	10 executed the for	egoing instrument, an	d acknowledged execution

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this 1st day of October, 2013, by Benjamin M. Nugent; Kevin G. Meyer; W. John Owen; Chenglin Yao; Timothy P. Martin; Anne A Wilson; Iain O'Callahan; Jeremy Wilmot; Jonannan E. DeLorbe; and William H. Dent, III (hereinafter referred to as Assignors), residing at 794 King Fisher Drive, Brownsburg, Indiana 46112; 100 Lexington Court, Zionsville, Indiana 46077; 12421 Pebblepointe Pass, Carmel, Indiana 46033; 14178 Esprit Drive, Westfield, Indiana 46074; 6095 Ramsey Drive, Noblesville, Indiana 46062; 8913 Sourwood Ct., Indianapolis, Indiana 46260; Farrantouke Lodge, Farm Lane, Kinsale, C ounty Cork, IRELAND; 753 Bloor Woods Court, Zionsville, Indiana 46077; 2130 Williams Glen Blvd., Zionsville, Indiana 46077; and 8350 Pine Branch Lane, Indianapolis, Indiana 46234, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in MACROCYCLIC PICOLINAMIDE COMPOUNDS WITH FUNGICIDAL ACTIVITY, set forth in a Patent application for Letters Patent of the United States, already filed on October 1, 2013 as U.S. Application No. 61/885,380; and

WHEREAS, Dow AgroSciences LLC, a Limited Liability Company organized under and pursuant to the laws of Delaware having its principal place of business at 9330 Zionsville Road, Indianapolis, Indiana 46268 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, for good and valuable consideration and/or the remuneration received for my/our work and/or other good and sufficient consideration, the receipt of which is hereby acknowledged. Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and to any and all priority applications, direct and indirect divisions, continuations, continuations-in-part related to said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon.

PATENT REEL: 036191 FRAME: 0707

and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

72481-128 989

PATENT REEL: 036191 FRAME: 0708

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

DOW AGROSCIENCES LLC

All practitioners at Customer Number 25212

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

72481-08-PSP

72483-08-282

Benjamin M. Nogent

Date: 10/2-7,	12212			
United States of Ameri	ca	.)		
State of	. Viada	.(s inst call) SS.:		
County of				
On this 23rd	day of	October.	2013	, before me
personally came	Benj	amin M. Nugent	, to me known to	be the individual
described in and who e	xecuted th	e foregoing instrument, a	and acknowledged	I execution
of the same.			-	an an

Rena H. Frich

DENA H. TUCHMAN Notary Public, State of Indiana Matrien County Commission & 638139 My Commission Expires November 02, 2020

<u>и дал М. 11 Шл.</u> Kevin G. Mey**g**

Date:	10/23/13
	N

of the same.

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United States of	America	a . A .)
State of		Undia	Alter) ss.:
County of	3	Mah		Ĵ

On this 23° day of Ood black,, 20° , before me personally came Kevin G. Meyer, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution

DENA H. TUCHMAN Notary Public, State of Indiana Marino County Commission # 638139 My Commission Expirat November 02, 2020

		What are	
		W. John Owen	
Date: 10/234	///3		
United States of America	»		
State of	Valean) ss .:		
County of	Aqa _é nsissa)		
On this 23^{10} di	iv of <u>Colorber</u>	, <u>)013</u> , before me	
personally came	W. John Owen	, to me known to be the individual	
described in and who exec	uted the foregoing instrum	nent, and acknowledged execution	
of the same.			
132 12100 (Starting)		\wedge \sim , , , , , , , , , , , , , , , , , , ,	
		- Dura D. Inda	

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Notary Public

DENA H. IUCHMAN DENA H. IUCHMAN Notary Public, State of Indiana Mation County Commission # 638139 My Commission Express November 02, 2020

72481-05-PSP

			$ \triangle$	
			Chenglir	1 Yao
Date: Oct 2	3,2013			
United States of Amer	ica 🔬 🔬)		
State of	Indiana) ss.:		
County of	- Maria	}		
On this 33rd	_day of	daer,	2013	, before me
personally came	Chenglin Y	ao	, to me known to	be the individual
described in and who e	executed the foregoing			
of the same.			-	
		Δ	ena N. E	Jacob Land

с <u>з</u>. :

Notary Public

DENA H. TUCHMAN Notery Public, State of Indiana Marion County Commission # 638139 My Commission Expires November 02, 2020

72481-03-PSP

Timothy P. Martin

Date: <u>Crrus</u>	<u>ea 24</u>	<u></u> <		
United States of Am	erica	s.)		
State of	- Dad	agaa) ss .:		
County of	- <u></u>			
On this $3^{\sqrt{4}}$	day of	October.	2013	, before me
personally came	Tin	10thy P. Martin		o be the individual
described in and who	executed th	e foregoing instrument,	and acknowledg	ed execution
of the same.			-	

Dera G. J. J.

	Anne A. Wilson
Date:	
United States of America)
State of) ss.:
County of))
On this day of	, before me
personally came A	e A. Wilson , to me known to be the individual
described in and who executed t	foregoing instrument, and acknowledged execution
of the same.	

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			Iain O'Callahan
Date:			
Ireland)	
State of) ss.:	
County of)	
On this	day of	9	, before me
personally came	Iain O'Ca	llahan , tc	me known to be the individual
described in and w	ho executed the forego		acknowledged execution
of the same.	v		~

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Notary Public

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Jeremy Wilmof

Date: 10-23-2013

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United States of A	America 🍃	1 12	ж.)
State of	Stor Sec.	a de ce	. K. Silline) ss.:
County of		5.00	4.67.~~)
	- f			

ane day of <u>Outsper</u>, <u>2013</u>, before me came Jeremy Wilmot, to me known to be the individual On this personally came

described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public



	ble pr
	/ Jon atha n E. DeLorbe Sohneillan 10-27-12 Jeb
Date: 10/29/13	Johneshon 10-67-12 per
United States of America)	
State of Judiana) ss	
County of	
and the second	
On this $20^{\prime\prime\prime}$ day of 10^{\prime}	$\underline{2s/5}$, before me
personally came somethen E. DeLorbe	, to me known to be the individual
described in and who executed the foregoing inst of the same.	rument, and acknowledged execution
of the same. Sohne then 19-19-19	Dena H. Ind

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Commission CS38739 Commission CS

72481-03-PSP

WA

Une H Fa

William H. Dent, III

Date:

_10/23/13

8.

United States of America)	
State of) ss.:	
County of)	
On this day	or Ottober,	2a/2, before me
personally came	William H. Dent, III	, to me known to be the individual
described in and who execu	ted the foregoing instrument,	and acknowledged execution
of the same.		an station and

DENA H. TUCHMAN Notsry Public, State of Indiana Marion County Commission # 638139 My Commission Express November 02, 2020

ASSIGNMENT BY INVENTORS

 $\delta^{*} = \sqrt{2}$

THIS ASSIGNMENT, made this 1st day of October, 2013, by Benjamin M. Nugent; Kevin G. Meyer; W. John Owen; Chenglin Yao; Timothy P. Martin; Anne Al Wilson; Iain O'Callahan; Jeremy Wilmot; Jonathan E. DeLorbe; and William H. Dent, III (hereinafter referred to as Assignors), residing at 794 King Fisher Drive, Brownsburg, Indiana 46112; 100 Lexington Court, Zionsville, Indiana 46077; 12421 Pebblepointe Pass, Carmel, Indiana 46033; 14178 Esprit Drive, Westfield, Indiana 46074; 6095 Ramsey Drive, Noblesville, Indiana 46062; 8913 Sourwood Ct., Indianapolis, Indiana 46260; Farrantouke Lodge, Farm Lane, Kinsale, County Cork, IRELAND; 753 Bloor Woods Court, Zionsville, Indiana 46077; 2130 Williams Glen Blvd., Zionsville, Indiana 46077; and 8350 Pine Branch Lane, Indianapolis, Indiana 46234, respectively;

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and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

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AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

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72481738-988

 $\mathbf{2}$

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

DOW AGROSCIENCES LLC

All practitioners at Customer Number 25212

с. Х_и

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

72485-05-959

72481-03-PSP

			Benjamin M. Nugent
Date:			
United States of Am	nerica)	
State of) ss.:	
County of)	
On this	day of	2	, before me
personally came	Benjamin	M. Nugent , t	o me known to be the individual
described in and wh of the same.	o executed the for	egoing instrument, and	l acknowledged execution

1997 - 1993 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -

Notary Public

72481-09-PSP

			Kevin G. Meyer
Date:			
United States of Ameri	ca)	
State of) ss.:	
County of)	
On this	day of	\$, before me
personally came	Kevin G	. Meyer	, to me known to be the individual
described in and who e	xecuted the fore	going instrument,	and acknowledged execution
of the same.			-

Notary Public

PATENT REEL: 036191 FRAME: 0724

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72481-03-**₽**5₽

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			W. John Owen
Date:			
United States of An	nerica)	
State of) ss.:	
County of	*****************)	
On this	day of		, before me
personally came	W	. John Owen	, to me known to be the individual
described in and wh of the same.	to executed the	e foregoing instrum	ent, and acknowledged execution

k j

Notary Public

			Chenglin Yao
Date:			
United States of An State of	ierica)) ss.:	
County of	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~)	
On this personally came described in and wh of the same.	day of	Chenglin Yao the foregoing instrument,	, before me , to me known to be the individual and acknowledged execution

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Notary Public

72481-03-PSP

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			ĩ	imothy P. Martin
Date:				
United States of An	nerica)		
State of) ss.:		
County of)		
On this	day of		,	, before me
personally came	Timothy	[,] P. Martin	, to me	known to be the individual
described in and wl	to executed the for	egoing instrumer	it, and ack	nowledged execution
of the same.				

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Notary Public

72481-US-PSP



Notary Public



72481-03-PSP

			lain O'Callahan
Date:			
Ireland)	
State of) ss.:	
County of)	
On this	day of	۴	, before me
personally cam	ie Iain O'C	allahan , to me	known to be the individual
described in an	d who executed the fore	going instrument, and ack	nowledged execution
of the same.			

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Notary Public

72481-US-PSP

			leremy Wilmot
Date:			
United States of Ame	rica)	
State of) \$5.:	
County of)	
On this	day of	,	, before me
personally came	Jeremy	Wilmot , to me l	known to be the individual
described in and who	executed the fore	going instrument, and ackr	iowledged execution
of the same.			

72481435-P5P

Jonathan E. DeLorbe

United States of Ame	rica)	
State of) \$8.:	
County of)	
On this	day of	5	, before me
personally came		E. DeLorbe , to me	known to be the individual

Notary Public

		Wi	lliam H. Dent, III
Date:			
United States of Am	erica)	
State of) 85.:	
County of)	
On this	day of	۶	, before me
personally came	William F	4. Dent, III , to me l	mown to be the individual
described in and whe	o executed the fore	egoing instrument, and ackn	

Notary Public

PATENT REEL: 036191 FRAME: 0732

RECORDED: 07/27/2015