503591039 12/01/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3637669

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL S. POSLUSNEY	07/25/2012
JAMES C. BARROW	08/06/2012
NATHAN KETT	10/12/2012
SCOTT T. HARRISON	08/06/2012
JAMES MULHEARN	07/25/2012
KAUSIK K. NANDA	08/06/2012
PETER J. MANLEY	07/25/2012
ZHIJIAN ZHAO	07/25/2012
JEFFREY W. SCHUBERT	07/25/2012
SCOTT WOLKENBERG	08/20/2012
WESLEY B. TROTTER	07/30/2012
AMY ZARTMAN	11/16/2012

RECEIVING PARTY DATA

Name:	MERCK SHARP & DOHME CORP.		
Street Address:	126 EAST LINCOLN AVENUE		
Internal Address:	RY86-2011A		
City:	RAHWAY		
State/Country: NEW JERSEY			
Postal Code:	07065		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14671452

CORRESPONDENCE DATA

Fax Number: (609)896-1469

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: 6098443020

Email:ipdocket@foxrothschild.comCorrespondent Name:GERARD P. NORTONAddress Line 1:FOX ROTHSCHILD LLP

PATENT

Address Line 2: 99	97 LENOX DRIVE, BLDG. #3
Address Line 4:	AWRENCEVILLE, NEW JERSEY 08648
ATTORNEY DOCKET NUMBER:	052838.00053
NAME OF SUBMITTER:	OLGA AYALA
SIGNATURE:	/Olga Ayala/
DATE SIGNED:	12/01/2015
Total Attachments: 14	
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PATENT REEL: 037180 FRAME: 0318

	PATENT
Attorney Docket Number MRL-NOP-00089	
U.S. Serial No. 13/582 6	DI .
Filing Date 12/13/20	012
PCT Appl. No. US2011/26	399
010010	~ 17

Filing Date 101

ASSIGNMENT AND AGREEMENT

For value received, I. Michael S. Poslusney residing in: Nashville, Tennessee 37210

hereby sell, assign and transfer or confirm the grant and assignment to MERCK SHARP & DOHME CORP., a corporation of the State of New Jersey, having an office at Lincoln Avenue, City of Rahway, State of New Jersey, and its successors, assigns and legal representatives, my entire right, title and interest, for all countries, in and to certain inventions relating to

INHIBITORS OF CATECHOL O-METHYL TRANSFERASE AND THEIR USE IN THE TREATMENT OF PSYCHOTIC **DISORDERS**

described in an application for Patents having Attorney Docket Number MRL-NOP-00089

and in application(s)

Serial No. 61/310,410

filed on 03/04/2010

; Serial No.

filed on

Serial No.

filed on

(if applicable),

and all my rights and privileges, including any and all benefits under the International Convention for the Protection of Industrial Property, under any and all Patents which may be granted therefor, and under any and all extensions, divisionals, reissues and continuations of said application for Patents, including any foreign applications derived therefrom, equivalent thereto or claiming priority thereof.

I request that any and all Patents for said inventions be issued to said assignee, or to its successors, assigns and legal representatives, or to such nominees as it may designate.

I agree that, when requested, I will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining Patents for said inventions in any and all countries and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominees.

I covenant with said assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

I hereby authorize my attorney Sylvia A. Ayler or an attorney with Power of Attorney in this application, of the said MERCK SHARP & DOHME CORP., to insert the Serial No. (s), PCT Appl. No. (s), and Filing Date (s) of said application(s) when known.

Nashville TN this 25Th day of

PATENT

Attorney Docket Number MRL-NOP-00089

U.S. Serial No.

Filing Date

ASSIGNMENT AND AGREEMENT

PCT Appl. No. 1 Filing Date

Personally appeared before me the above-named Michael S. Poslusney

to me known and known to me to be the person who executed the foregoing instrument and acknowledged said instrument to be his

free act and deed this 25th day of July

My Commission Expires NOV. 3, 2015

ASSIGNMENT AND AGREEMENT

residing in: Arnold, Maryland 21012 hereby sell, assign and transfer or confirm the grant and assignment to MERCK SHARP & DOHME CORP., a corporation of the State of New Jersey, having an office at Lincoln Avenue, City of Rahway, State of New Jersey, and its successors, assigns and legal representatives, my entire right, title and interest, for all countries, in and to certain inventions relating to

INHIBITORS OF CATECHOL O-METHYL TRANSFERASE AND THEIR USE IN THE TREATMENT OF PSYCHOTIC DISORDERS

described in an application for Patents having Attorney Docket Number MRL-NOP-00089

and in application(s)

Serial No. 61/310,410

filed on 03/04/2010

; Serial No.

filed on

U.S. Serial No.

Filing Date PCT Appl. No.

Filing Date

Serial No.

filed on

For value received, I, James C. Barrow

(if applicable),

and all my rights and privileges, including any and all benefits under the International Convention for the Protection of Industrial Property, under any and all Patents which may be granted therefor, and under any and all extensions, divisionals, reissues and continuations of said application for Patents, including any foreign applications derived therefrom, equivalent thereto or claiming priority thereof.

I request that any and all Patents for said inventions be issued to said assignee, or to its successors, assigns and legal representatives, or to such nominees as it may designate.

I agree that, when requested, I will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining Patents for said inventions in any and all countries and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominees.

I covenant with said assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

I hereby authorize my attorney Sylvia A. Ayler or an attorney with Power of Attorney in this application, of the said MERCK SHARP & DOHME CORP., to insert the Serial No. (s), PCT Appl. No. (s), and Filing Date (s) of said application(s) when known.

Signed at Johns Hopkins University this 6th day of August

James C. Barrow

	PATENT
Attorn	ey Docket Number MRL-NOP-00089
	U.S. Serial No. 13/582.601
	Filing Date 12/13/2012
	PCT Appl. No. 152011 126390
ASSIGNMENT AND AGREEMENT	Filing Date 02/28/2011
County of Baltimore City SS.	
County of	
, and the second se	

to me known and known to me to be the person who executed the foregoing instrument and acknowledged said instrument to be his

Michelle R. Gotowski.
Notary Public

MICHELLE R. GOSTOMSKI NOTARY PUBLIC STATE OF MARYLAND My Commission Expires August 15, 2015

Personally appeared before me the above-named <u>James C. Barrow</u>

free act and deed this _

oth day of August

Attorney Docket Number MRL-NOP-00089

U.S. Serial No. 1

13/582 60

Filing Date

11 26399

ASSIGNMENT AND AGREEMENT

Filing Date 2 28 201

For value received, I, Nathan Kett

residing in: Columbia, Tennessee 38401

hereby sell, assign and transfer or confirm the grant and assignment to MERCK SHARP & DOHME CORP., a corporation of the State of New Jersey, having an office at Lincoln Avenue, City of Rahway, State of New Jersey, and its successors, assigns and legal representatives, my entire right, title and interest, for all countries, in and to certain inventions relating to

INHIBITORS OF CATECHOL O-METHYL TRANSFERASE AND THEIR USE IN THE TREATMENT OF PSYCHOTIC DISORDERS

described in an application for Patents having Attorney Docket Number MRL-NOP-00089

and in application(s)

Serial No. 61/310,410

filed on 03/04/2010

; Serial No.

filed on

Serial No.

300

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(if applicable),

and all my rights and privileges, including any and all benefits under the International Convention for the Protection of Industrial Property, under any and all Patents which may be granted therefor, and under any and all extensions, divisionals, reissues and continuations of said application for Patents, including any foreign applications derived therefrom, equivalent thereto or claiming priority thereof.

I request that any and all Patents for said inventions be issued to said assignee, or to its successors, assigns and legal representatives, or to such nominees as it may designate.

I agree that, when requested, I will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining Patents for said inventions in any and all countries and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominees.

I covenant with said assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

I hereby authorize my attorney Sylvia A. Ayler
or an attorney with Power of Attorney in this application, of the said MERCK SHARP & DOHME CORP., to insert the Serial No. (s),
PCT Appl. No. (s), and Filing Date (s) of said application(s) when known.

Signed at VANDERDSITY MEDIAL CONTRL

this 12Th

day of OCTOSTA

2017

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Nathan Kett

Attorney Docket Number MRL-NOP-00089

U.S. Serial No.

131582 601

Filing Date

 $\frac{13|3|30|1}{1|3|30|1}$

PCT Appl. No.

Filing Date $\frac{01/28/20/1}{2}$

ASSIGNMENT AND AGREEMENT

County of Davidson ss

Personally appeared before me the above-named Nathan Kett

to me known and known to me to be the person who executed the foregoing instrument and acknowledged said instrument to be his

Donna Koy Ingom

STATE
OF
TENNESSEE
NOTARY
PUBLIC
ON COUNT
My Commission Expires NOV. 3, 2015

		,	Δttc	orney Docket Number N		ENT.
			Auc	iney Docket Number <u>n</u>	13/582.60	T
		ASSIGNMENT	AND AGREEMENT	Filing Date _	12/13/201	2
				PCT Appl. No.	152011/263	500
				Filing Date _	02/28'-20	
	For value received, we	Scott Wolkenberg, Sco Zhao; Jeffrey W. Sch	ott T. Harrison; James Mulhearn;	Kausik K. Nanda; Peter	J. Manley; Zhijian	. 4"
						•
-:						
residing	in: Jenkintown, PA 19 Wilmington, DE 19	046; Glenside, PA 1903 9810; Ambler, PA 19002	8; Elkins Park, PA 19027; Norris	town, PA 19403; Harle	ysville, PA 19438;	
	G .	•				
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			•			
hereby	sell, assign and transfer	or confirm the grant and	assignment to MERCK SHARP	& DOHME CORP., a c	orporation of the State of	of
New Je	rsey, having an office at	Lincoln Avenue, City of	Rahway, State of New Jersey, ar	nd its successors, assign	s and legal	jar.
represe	ntatives, our entire right,	title and interest, for all	countries, in and to certain inven	tions relating to		i
IN	HIBITORS OF CATEC	HOL O-METHYL TRA	NSFERASE AND THEIR USE I DISORDERS	N THE TREATMENT	OF PSYCHOTIC	1.76
describ	ed in an application for F	Patents having Attorney	Docket Number MRL-NOP-000	89	and in application(s)	-
Serial 1	No. 61/310,410 f	îled on 03/04/2010	; Serial No.	filed on	;	nendisek
Serial 1	No.	filed on	(if applicable),			•
and all	our rights and privileges	, including any and all b	enefits under the International Co	onvention for the Protect	tion of Industrial	
Propert	y, under any and all Pat	ents which may be grant	ed therefor, and under any and al	l extensions, divisionals	reissues and	: : .
-	•	• •	any foreign applications derived t	•		
priority	thereof.					
•	We request that any an	d all Patents for said inv	entions be issued to said assignee	e, or to its successor, ass	igns and legal	
represe	ntatives, or to such nomi	nees as it may designate	•			:
÷	We agree that, when re	quested, we will, withou	at charge to said assignee but at it	s expense, sign all pape	rs, take all rightful	* *
oaths, a	and do all acts which may	y be necessary, desirable	or convenient for securing and n	naintaining Patents for s	aid inventions in any	Window who has
	·	•	gnee, its successors, assigns and l	•		
WII	_		-			-1
		_	assigns and legal representatives		perty nerein conveyed	
are free	and clear of any encum	brance, and that we have	full right to convey the same as I	herein expressed		

We covenant with said assignee, its successors, assigns and legal repre are free and clear of any encumbrance, and that we have full right to convey the

This document may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such counterparts shall together constitute but one and the same document.

We hereby authorize our attorney, Sylvia A. Ayler or an attorney with Power of Attorney in this application, of the said MERCK SHARP & DOHME CORP., to insert Serial No. (s), PCT Appl. No. (s) and Filing Date (s) of said application(s)

when known.

PATENT **REEL: 037180 FRAME: 0325**

Page 1 of 2

Attorney	Docket	Number	MRL-NOP-00089
Attorney	DOCKCE	Number	MILET-IACT -00003

	<u>_/3</u>	15	82.61	<u>) / :</u>	1
Filing Date	Jal	1.3	2017		
PCT Appl. No.	LLS.	1100	2630	19	

ASSIGNMENT AND AGREEMENT

Signed at West Point PA this 2	Filing Date 02/28/20/
Scott Wolkenberg/	Scott T. Harrison
James Mulhearn Peter J. Manley	Kausik K. Nanda Zhijian Zhao
Jeffrey W. Schubert	

	1
COMMONWEALTH OF PENNSYLVANIA	_
County of MONTGOMERY	> ss.
	1

Personally appeared before me the above-named Scott Wolkenberg James Mulhearn Peter J. Manley Jeffrey W. Schubert Scott T. Harrison Kausik K. Nanda Zhijian Zhao

Marjorie M Bennett

MVBennett Notary Public COMMONWEALTH OF PENNSYLVANIA

Notarial Seal Marjorie M. Bennett, Notary Public Upper Gwynedd Twp., Montgomery County My Commission Expires Jan. 24, 2015

My Commission Expires 3att. 24, 2013
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Page 2 of 2

	ASSIGNMENT AND AGREE	EMIENT	Filing Date 12/13/201	2
			PCT Appl. No. 1152011 262	399
1.1.		,	Filing Date <u>02/28/36</u>	}/-/
Signed at Will	or Port, PA this LK day	of Sugust,		
S- 11	N. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	,	Humar Nanda	
L.T	t &	Kausik	K. Nanda	
Sc07+	Harrison			, for
onnonwa	Ne of Persylvania ntonne > ss.			f.
County of M	ntjorny > ss.			, ,,,,,
Personally	appeared before me the above-named	Holkenbe	rg. Kausik K	••
Nana	da and Scott Har	nison.	V	1 - 1998 - 1998
o me known and kr	nown to me to be the person(s) who executed the fore	going instrument and	l acknowledged said instrument to be	
heir free act and de	eed this day of	2012		
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		20	in the death	
		ING	COMMONWEALTH OF TENNSYLVANIA Notarial Seal Notary Pu	hlic
			Marjorle M. Berinett, Notary Public	
Signed at	Wear Point Pais 20	day of ALOUAT	Upper Gwyfiedd Twp., McNagor. 24, 2015 My Commission Expires Jan. 24, 2015 MENSER, PENNEYLVANIA ASSOCIATION OF NOTARIES	
Signed at	Sett 1/1/1/1	day or Zucy	SC12	9 % 4 1 % 1 % 2 %
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364	WI KELDEY!			
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morweal	IXW of Pensylvania			5 - 1 ·
County of 200	NA of Pensylvania Monery Ss.			April 100 Print
ounty of Zings		1114 - 160	· • 4	
Personally	appeared before me the above-named Sco X+	Volkerber	9	
o me known and kr	nown to me to be the person(s) who executed the fore	going instrument and	l acknowledged said instrument to be	
			a doldro wrongou bara monamioni to bo	
new tree act and de	eed this 20 day of August,	<u></u>	COMMODNE AT THE OF PERSON AND THE	***
		Mo	COMMONWEALTH OF PENNSYLVANIA	A.
		- 	Upper Gwynedd Twp., Montgomer (1006) Ha My Carrimission Expires Jan. 24, 2015	ublic
			MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES Page 3	of 4
mputer generated form "A	Assignment - Joint" (Assignments Folder) Merck & Co., Inc. 01/06/2010		DATENIT """	

PATENT REEL: 037180 FRAME: 0327

Page 4 of 4

Notary Public

their free act and deed this ______ day of _____,___

	PATENT
Attorney Docket Number MRL-NC	OP-00089
U.S. Serial No. 155	13/10/13
Filing Date 12	13/20/2
ASSIGNMENT AND AGREEMENT PCT Appl. No. 1150	2812011
Thing Date	2019
For value received, I, B. Wesley Trotter	· ·
residing in: Newton Highlands, MA 02461 MOPFICED MA 02052 BW7	.77 € 4
hereby sell, assign and transfer or confirm the grant and assignment to MERCK SHARP & DOHME CORP., a corporati	ion of the State of
New Jersey, having an office at Lincoln Avenue, City of Rahway, State of New Jersey, and its successors, assigns and I	legal representatives,
my entire right, title and interest, for all countries, in and to certain inventions relating to	
INHIBITORS OF CATECHOL O-METHYL TRANSFERASE AND THEIR USE IN THE TREATMENT OF IDISORDERS	PSYCHOTIC
described in an application for Patents having Attorney Docket Number MRL-NOP-00089 and in appli	ication(s)
Serial No. 61/310,410 filed on 03/04/2010 ; Serial No. filed on	t de como
Serial No. filed on (if applicable),	
	17
and all my rights and privileges, including any and all benefits under the International Convention for the Protection of I	Industrial Property,
under any and all Patents which may be granted therefor, and under any and all extensions, divisionals, reissues and cont	tinuations of said
application for Patents, including any foreign applications derived therefrom, equivalent thereto or claiming priority there	reof.
I request that any and all Patents for said inventions be issued to said assignee, or to its successors, assigns and	legal
representatives, or to such nominees as it may designate.	
I agree that, when requested, I will, without charge to said assignee but at its expense, sign all papers, take all ri	
oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining Patents for said inve	entions in any
and all countries and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominee	•
	. '

I covenant with said assignee, its successors, assigns and legal reconveyed are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

I hereby authorize my attorney Sylvia A. Ayler or an attorney with Power of Attorney in this application, of the said MERCK SHARP & DOHME CORP., to insert the Serial No. (s), PCT Appl. No. (s), and Filing Date (s) of said application(s) when known.

Signed at MRL-Bos70W MA this 30 day of WY

REEL: 037180 FRAME: 0329

Attor	rney Docket Number	MRL-NOP-00089	PATENT
	Filing Date		
	_		Y
ASSIGNMENT AND AGREEMENT	Filing Date	· · · · · · · · · · · · · · · · · · ·	
	•		
COMMONWEALTH OF MASSACHUSETTS		•	
$\frac{\text{Suffolk}}{\text{SS.}}$			·
Personally appeared before me the above-named B. Wesley Trotter			
o me known and known to me to be the person who executed the foregoing instrument	and acknowledged sa	id instrument to be	his
ree act and deed this 30th day of July,	2012		. 101
Selection of the select	aren L. So	ldsmith	4 Manual Company (1997)
	V		ary Public

		•	ocket Number MRL-NOP-000	
		τ	J.S. Serial No.	
			Filing Date	
	A COLONIMENTO A N		PCT Appl. No.	
:	ASSIGNMENT AN	D AGKEEMEN I	Filing Date	
For value received, l	, Amy Zartman			
residing in: Hatfield, PA 19				• •-
hereby sell, assign and transf	er or confirm the grant and assignm	ent to MERCK SHARP & DO	HME CORP., a corporation of	the State of
New Jersey, having an office	at Lincoln Avenue, City of Rahwa	y, State of New Jersey, and its	successors, assigns and legal re	epresentatives,
my entire right, title and inter	rest, for all countries, in and to cert	ain inventions relating to		
INHIBITORS OF CA	ATECHOL O-METHYL TRANSF	ERASE AND THEIR USE IN DISORDERS	THE TREATMENT OF PSYC	нотіс
described in an application for	or Patents having Attorney Docket	Number MRL-NOP-00089	and in application	u(s)
Serial No. 61/310,410	filed on 03/04/2010	; Serial No.	filed on	;
Serial No.	filed on (if app	olicable),		. •••
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		1 1 7 10		
and all my rights and privileg	ges, including any and all benefits u	nder the International Convent	ion for the Protection of Industr	ial Property,
under any and all Patents wh	ich may be granted therefor, and ur	der any and all extensions, div	isionals, reissues and continuati	ons of said
application for Patents, inclu	ding any foreign applications deriv	ed therefrom, equivalent theret	o or claiming priority thereof.	
I request that any an	d all Patents for said inventions be	issued to said assignee, or to it	s successors, assigns and legal	
representatives, or to such no	ominees as it may designate.			·
I agree that, when re	equested, I will, without charge to s	aid assignee but at its expense,	sign all papers, take all rightful	
oaths, and do all acts which i	may be necessary, desirable or conv	renient for securing and mainta	ining Patents for said inventions	s in any
and all countries and for vest	ing title thereto in said assignee, its	successors, assigns and legal r	epresentatives or nominees.	
I covenant with said	assignee, its successors, assigns ar	d legal representatives, that the	rights and property herein	J. a
conveyed are free and clear of	of any encumbrance, and that I have	e full right to convey the same a	as herein expressed.	
I hereby authorize m	y attorney Sylvia A. Ayler			
or an attorney with Power of	Attorney in this application, of the	said MERCK SHARP & DOH	ME CORP., to insert the Seria	ıl No. (s),
PCT Appl. No. (s), and Filin	ng Date (s) of said application(s) w	hen known.		er en
		i. Sh	10100000000	2017
Signed at Law	ISULU, PH	this 10 the day of	November,	WIL.
			November, amy zantm	1 A A
	•	A	Zartman Zartman	
		Ailly	Lai ullali	175

PATENT Page 1 of 2
REEL: 037180 FRAME: 0331

PATENT

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	A4		PATENT
	Attor	ney Docket Number MRI U.S. Serial No.	
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खुर) -		-	
	ASSIGNMENT AND AGREEMENT		
		I ming Date	
PENNSYLVANIA			
PENNSYLVANIA County of MONTGOME	ss.		
Personally appeared befor	e me the above-named Amy Zartman		
to me known and known to me to	be the person who executed the foregoing instrument	and acknowledged said in	strument to be Mis her
	day of NOVEMBER,	-2012	18 T
free act and deed this	day of $\frac{\sqrt{\sqrt{\sqrt{2}/7}/7}}{2}$,	and.	g. p. a. co
4 1.			
de.	_	Court Up	Ulman
	_		Notary Public

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal Carci Wildmann, Notary Public Lansdale Boro, Montgomery County My Commission Expires Sept. 28, 2014

Member. Pennsylvania Association of Notaries

Page 2 of 2

PATENT REEL: 037180 FRAME: 0332

RECORDED: 12/01/2015

17