Electronic Version v1.1 Stylesheet Version v1.1

	E:	NEW ASSIGNMENT		
NATURE OF CON	VEYANCE:	ASSIGNMENT		
CONVEYING PAR	TY DATA			
		Name	Execution Date	
David Thomas Par	′ker		03/23/2007	
Mohindra Seepers	aud		03/23/2007	
Branko Radetich			04/04/2007	
Aregahegn Yifru			03/23/2007	
Prakash Raman			03/23/2007	
Jiping Fu			03/23/2007	
Rui Zheng			03/23/2007	
Francois Lenoir			04/05/2007	
Michael Patane			03/28/2007	
Oliver Simic			03/14/2007	
Trixi Brandl			03/19/2007	
Pascal Rigollier			03/30/2007	
RECEIVING PART	Y DATA			
Name:	Novartis AG	35		
Name: Street Address:	Novartis AG	35		
Street Address: City:	Novartis AG Lichtstrasse Basel			
Name: Street Address: City: State/Country:	Novartis AG Lichtstrasse Basel SWITZERLA			
Name: Street Address: City:	Novartis AG Lichtstrasse Basel			
Name: Street Address: City: State/Country: Postal Code:	Novartis AG Lichtstrasse Basel SWITZERLA 4056			
Name: Street Address: City: State/Country:	Novartis AG Lichtstrasse Basel SWITZERLA 4056 BERS Total: 1	ND	Number	
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Name: Street Address: City: State/Country: Postal Code: PROPERTY NUME Property Application Number CORRESPONDEN Fax Number: <i>Correspondence w</i>	Novartis AG Lichtstrasse Basel SWITZERLA 4056 BERS Total: 1 Type er: CE DATA (617)87 <i>fill be sent via US</i> marcus	ND 11697894 11-3392 <i>Mail when the fax attempt is unsud</i> .hall@novartis.com		

Address Line 1:220 MassachuAddress Line 4:Cambridge, M/	setts Avenue ASSACHUSETTS 02139
ATTORNEY DOCKET NUMBER:	PAT034769-US-NP
NAME OF SUBMITTER:	Marcus Hall
Total Attachments: 25 source=34769-Assignment#page1.tif source=34769-Assignment#page2.tif source=34769-Assignment#page3.tif source=34769-Assignment#page4.tif source=34769-Assignment#page5.tif source=34769-Assignment#page6.tif source=34769-Assignment#page7.tif source=34769-Assignment#page8.tif source=34769-Assignment#page9.tif source=34769-Assignment#page10.tif source=34769-Assignment#page10.tif source=34769-Assignment#page12.tif source=34769-Assignment#page13.tif source=34769-Assignment#page13.tif source=34769-Assignment#page15.tif source=34769-Assignment#page16.tif source=34769-Assignment#page16.tif source=34769-Assignment#page17.tif source=34769-Assignment#page18.tif source=34769-Assignment#page20.tif source=34769-Assignment#page21.tif source=34769-Assignment#page21.tif source=34769-Assignment#page21.tif source=34769-Assignment#page21.tif source=34769-Assignment#page21.tif source=34769-Assignment#page21.tif source=34769-Assignment#page21.tif source=34769-Assignment#page21.tif source=34769-Assignment#page21.tif source=34769-Assignment#page21.tif source=34769-Assignment#page21.tif source=34769-Assignment#page21.tif source=34769-Assignment#page21.tif source=34769-Assignment#page21.tif source=34769-Assignment#page21.tif source=34769-Assignment#page21.tif source=34769-Assignment#page21.tif source=34769-Assignment#page21.tif	

ASSIGNMENT

For good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, we

David Thomas PARKER	residing at	541 Bedford Street Lexington, MA 02420
Mohindra SEEPERSAUD	residing at	3 Colby Street Belmont, MA 02478
Branko RADETICH	residing at	1 Saint Charles Street, Apt. 4 Boston, MA 01720
Aregahegn YIFRU	residing at	14 Murdock Street, Apt. 2-7 Somerville, MA 02145
Prakash RAMAN	residing at	125 Summer Street Acton, MA 01720
Jiping FU	residing at	74 Cutter Hill Road Arlington, MA 02474
Michael PATANE	residing at	273 Forest Street Reading, MA 01867
Rui ZHENG	residing at	38 Varnum Street Arlington, MA 02474
Oliver SIMIC	residing at	Gundeldingerstrassse 209 4053 Basel Switzerland
Trixi BRANDL	residing at	Murbachestrasse 27 4056 Basel Switzerland
Pascal RIGOLLIER	residing at	4 bis, Avenue de la Première Division Blindée 68100 Mulhouse France
Francois LENOIR	residing at	5101 Stearns Hill Road Waltham, MA 02451

do hereby sell, assign and transfer to **Novartis AG**, a company organized under the laws of the Swiss Confederation, of Lichtstrasse 35, Basel, Switzerland 4056, and its successors, assigns and legal representatives, all of our right, title and interest for all countries of the world except Austria and to Novartis Pharma GmbH, a company organized under the laws of Austria, of Brunner Strasse 59, 1230 Vienna, Austria, and its successors, assigns and legal representatives, all of our right, title and interest for Austria (Novartis AG and Novartis Pharma GmbH) hereinafter referred to collectively as the "ASSIGNEES" in and to (1) all of our inventions and discoveries described in the patent provisional or non-provisional patent application(s) titled

ORGANIC COMPOUNDS AND THEIR USES

and filed in the United States Patent and Trademark Office on, 20 and	
accorded Application Number* and/or filed in the RO/	
on , 20 , and accorded International Patent Application Number	
PCT/*, (2) the patent application(s) identified in (1), (3) all national stages of	f
any international patent application identified in (1), (4) all other patent applications in all	
countries and regions claiming the priority of the provisional or non-provisional patent application	n
filed in the United States Patent and Trademark Office on April 11, 2006 and accorded	
Application Number 60/791,318 and on November 22, 2006 and accorded Application	
Number 60/866,874, (5) for all patent applications, all rights of priority based upon the United	
States patent application identified in (4) in all countries and regions under the Paris Convention	1
for the Protection of Industrial Property, the Inter-American Convention relating to Inventions,	
Patents, Designs, and Industrial Models and all other international agreements to which the	
United States now is or hereafter becomes a signatory and, if the United States patent	
application identified in (4) is a provisional patent application, under 35 USC 119(e) (including	
the right to file patent applications on said inventions and discoveries in the names of	
ASSIGNEES or their designees or in our names, at their election and in accordance with	
applicable law in all countries and regions), (6) all continuations and divisions of any United	
States patent application or international patent application designating the United States	
identified in (1), any national stages of any international application identified in (1) and any	
patent applications within the scope of (4) (including further continuations and divisions such as,	,
but not limited to, continuations of continuations and continuations of divisions), ((2)-(4) and (6) hereinafter referred to collectively as "patent applications"), (7) all patents that are granted on	
any of said patent applications, (8) all registrations and confirmations of, and importation	
certificates based upon, one or more of said patents and applications for such registrations,	
confirmations and importation certificates and (9) all reissues, renewals and extensions of said	
patents, registrations, confirmations and importation certificates, renewals and extensions of said	
issued for said patents and supplementary protection certificates based upon said patents and	
applications for such reissues, renewals, extensions, reexamination certificates and	
supplementary protection certificates, the same to be held and enjoyed by said ASSIGNEES	
and their successors, assigns and legal representatives to the full ends of the terms for which	
said patents, registrations, confirmations, importation certificates, reexamination certificates,	
supplementary protection certificates, reissues, renewals and extensions may be granted, as	
fully and entirely as the same would have been held and enjoyed by us if this sale, assignment	
and transfer had not been made.	
And we hereby covenant and agree that we will, at any time, (i) upon the request, but at the	

And we hereby covenant and agree that we will, at any time, (i) upon the request, but at the expense, of **ASSIGNEES** or their successors, assigns or legal representatives execute and deliver all documents that may be necessary or desirable to perfect the title to the foregoing inventions and discoveries, patent applications, patents, registrations, confirmations, importation certificates, reissues, renewals, extensions, reexamination certificates, supplementary protection certificates and applications within the scope of (8) and (9) in **ASSIGNEES** or their successors, assigns or legal representatives, including the execution and procurement of all further documents evidencing this sale, assignment and transfer as may be necessary or desirable for recording the same in the patent office or other intellectual property office, agency or the like of any country or region, (ii) upon the request, but at the expense, of **ASSIGNEES** or their successors, assigns or legal representatives execute all additional patent applications within the scope of (3), (4) and (6) and all applications within the scope of (8) or (9) and (iii) make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of **ASSIGNEES** or their successors, assigns or legal representatives.

*We hereby authorize **ASSIGNEES** and their representatives to insert in this Assignment the filing date(s) and Application Number(s) of said patent application(s) when notified thereof.

Page 3

day of March 2057. Executed this L.S.

David Thomas PARKER

ACKNOWLEDGEMENT

Commonwealth of Massachusetts)

) s.s.: County of Middley

On this ______ day of ______, 2007, personally appeared before me David Thomas PARKER to me known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.

(Seal)

Malett Notary

day of March, 2007. Executed this seren L.S.

Mohindra SEEPERSAUD

ACKNOWLEDGEMENT

Commonwealth of Massachusetts)

) s.s.: County of Middler

On this <u>23</u> day of <u>March</u>, 2007, personally appeared before me **Mohindra SEEPERSAUD** to me known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.

(Seal)

Unut Notary

Page 4

day of A 20 0 1 Executed this Rauth L.S.

Branko RADETICH

ACKNOWLEDGEMENT

Commonwealth of Massachusetts)) s.s.: dusy County of

day of , 2007, personally appeared before me Branko RADETICH to On this me known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.

L.S.

(Seal)

day of March, 2007 Executed this ____

Aregahegn YIFRU

ACKNOWLEDGEMENT

Commonwealth of Massachusetts)

) s.s.: County of Madeley

Macl 2007, personally appeared before me Aregahegn YIFRU to day of On this me known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.

(Seal)

Inatally

Executed this <u>23</u> day of <u>March</u>, 20<u>67</u>.

R. Prakar L.S.

Prakash RAMAN

ACKNOWLEDGEMENT

Commonwealth of Massachusetts)

) s.s.: County of Mader

On this <u>23</u> day of <u>4000</u>, 2007, personally appeared before me **Prakash RAMAN** to me known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.

L.S.

(Seal)

Notary Public

3 day of March 2007 Executed this

Jiping FU

ACKNOWLEDGEMENT

Commonwealth of Massachusetts)

) s.s.: County of Middleen

On this ______ day of <u>_______</u>, 2007, personally appeared before me Jiping FU to me known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.

(Seal)

Marien Sur

Page 6

L.S.

Executed this _____ day of _____, 20____

Michael PATANE

ACKNOWLEDGEMENT

Commonwealth of Massachusetts)

) s.s.: County of _____)

On this ______ day of ______, 2007, personally appeared before me **Michael PATANE** to me known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

B day of March, 2057. Executed this

ACKNOWLEDGEMENT

Commonwealth of Massachusetts)

) s.s.: County of <u>JMdalen</u>)

On this <u>23</u> day of <u>MacM</u>, 2007, personally appeared before me **Rui ZHENG** to me known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.

(Seal)

Hyalth Jun Notary Public

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Executed this	day of	, 20
		L.S.
Oliver SIMIC		
ACKNOWLEDGEMENT		
State of		
County of) s.s.:)	
known and known by me	e to be the same pe	_, 2007, personally appeared before me Oliver SIMIC to me rson described in and who executed the foregoing Assignment same of his (her) own free will for the purpose set forth.
(Seal)		
		Notary Public
Executed this	day of	, 20
		L.S.
Trixi BRANDL		
State of)) s.s.:	
County of		
On this o	day of	, 2007, personally appeared before me Trixi BRANDL to me

On this ______ day of ______, 2007, personally appeared before me Trixi BRANDL to me known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

_____, 20__

	L.S.		
Pascal RIGOLLIER			
ACKNOWLEDGEMENT			
State of))		
) s.s.:		
County of)		
On this day of	, 2007, personally apr	peared before me Pascal RIGOLLIER	to
me known and known by me to be	the same person described in a	and who executed the foregoing	
	it (s)he executed the same of his	is (her) own free will for the purpose	set
forth.			
(Seal)			
		Notary Public	
Executed this <u></u> day of	of april, 20 <u>87</u>		
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Francon Cero	L.S.		
Francois LENOIR			
ACKNOWLEDGEMENT			

Commonwealth of Massachusetts)

Executed this _____ day of__

) s.s.: County of Middlem ()

On this ______ day of ______, 2007, personally appeared before me Francois LENOIR to me known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.

(Seal)

Malth Su Notary Public Aucen

ASSIGNMENT

For good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, we

4

David Thomas PARKER	residing at	541 Bedford Street Lexington, MA 02420
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ORGANIC COMPOUNDS AND THEIR USES

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any international patent application identified in (1), (4) all other patent applications in all
countries and regions claiming the priority of the provisional or non-provisional patent application
filed in the United States Patent and Trademark Office on April 11, 2006 and accorded
Application Number 60/791,318 and on November 22, 2006 and accorded Application
Number 60/866,874, (5) for all patent applications, all rights of priority based upon the United
States patent application identified in (4) in all countries and regions under the Paris Convention
for the Protection of Industrial Property, the Inter-American Convention relating to Inventions,
Patents, Designs, and Industrial Models and all other international agreements to which the
United States now is or hereafter becomes a signatory and, if the United States patent
application identified in (4) is a provisional patent application, under 35 USC 119(e) (including
the right to file patent applications on said inventions and discoveries in the names of ASSIGNEES or their designees or in our names, at their election and in accordance with
applicable law in all countries and regions), (6) all continuations and divisions of any United
States patent application or international patent application designating the United States
identified in (1), any national stages of any international application identified in (1) and any
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applications for such reissues, renewals, extensions, reexamination certificates and
supplementary protection certificates, the same to be held and enjoyed by said ASSIGNEES
and their successors, assigns and legal representatives to the full ends of the terms for which
said patents, registrations, confirmations, importation certificates, reexamination certificates,
supplementary protection certificates, reissues, renewals and extensions may be granted, as
fully and entirely as the same would have been held and enjoyed by us if this sale, assignment
and transfer had not been made.
And we hereby covenant and agree that we will, at any time, (i) upon the request, but at the
And we nereby covenant and agree that we will, at any time, (i) upon the request, but at the

And we nereby covenant and agree that we will, at any time, (f) upon the request, but at the expense, of **ASSIGNEES** or their successors, assigns or legal representatives execute and deliver all documents that may be necessary or desirable to perfect the title to the foregoing inventions and discoveries, patent applications, patents, registrations, confirmations, importation certificates, reissues, renewals, extensions, reexamination certificates, supplementary protection certificates and applications within the scope of (8) and (9) in **ASSIGNEES** or their successors, assigns or legal representatives, including the execution and procurement of all further documents evidencing this sale, assignment and transfer as may be necessary or desirable for recording the same in the patent office or other intellectual property office, agency or the like of any country or region, (ii) upon the request, but at the expense, of **ASSIGNEES** or their successors, assigns or legal representatives execute all additional patent applications within the scope of (3), (4) and (6) and all applications within the scope of (8) or (9) and (iii) make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of **ASSIGNEES** or their successors, assigns or legal representatives.

*We hereby authorize **ASSIGNEES** and their representatives to insert in this Assignment the filing date(s) and Application Number(s) of said patent application(s) when notified thereof.

Executed this	day of	, 20
		•
		L.S.

David Thomas PARKER

ACKNOWLEDGEMENT

Commonwealth of Massachusetts)

) s.s.: County of _____)

On this ______ day of ______, 2007, personally appeared before me David Thomas PARKER to me known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.

_____L.S.

(Seal)

Notary Public

Executed this _____ day of _____, 20____

Mohindra SEEPERSAUD

ACKNOWLEDGEMENT

Commonwealth of Massachusetts)

) s.s.: County of _____)

On this ______ day of _____, 2007, personally appeared before me Mohindra SEEPERSAUD to me known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this	_day of	, 20			
		L.S.		×	
Branko RADETICH			•		
ACKNOWLEDGEMENT					
Commonwealth of Massachu	usetts)				
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On this day on this day of the known and known by me	to be the same	_, 2007, persor	hed in and who e	executed the foreout	oina
Assignment and acknowledg	ed that (s)he ex	kecuted the sar	me of his (her) or	wn free will for the	purpose se
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me known and known by me	to be the same	e person descri	bed in and who e	executed the forego	oing
Assignment and acknowledg	ged that (s)he ex	xecuted the sai	The of his (her) of		purpose se
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(Seal)					

Notary Public

Patent Case 34769-US

Executed this day of, 20 L.S. Prakash RAMAN ACKNOWLEDGEMENT Commonwealth of Massachusetts)) s.s.: County of) s.s.: County of) On this day of, 2007, personally appeared before me Prakash RAMA me known and known by me to be the same person described in and who executed the foregoing	•
L.S. Prakash RAMAN ACKNOWLEDGEMENT Commonwealth of Massachusetts)) s.s.: County of) On this day of, 2007, personally appeared before me Prakash RAMA	
Prakash RAMAN ACKNOWLEDGEMENT Commonwealth of Massachusetts)) s.s.: County of) S.n this day of, 2007, personally appeared before me Prakash RAMA	· · · · ·
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Jiping FU	
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ACKNOWLEDGEMENT	
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Commonwealth of Massachusetts)	
) s.s.:	
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an this day of 2007 personally appeared before me lining FLI to m	e
On this day of, 2007, personally appeared before me Jiping FU to m known and known by me to be the same person described in and who executed the foregoing Ass	ianmer
known and known by me to be the same person described in and who executed the foregoing Ass and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.	Sunci
and acknowledged that (s)ne executed the same of his (her) own nee will for the purpose set form	
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(Seal)	

Notary Public

Executed this	23th	day of	March	<u>^</u> , 20_	07
	Elk	the	<u>ل</u>	L.S.	

ACKNOWLEDGEMENT

Commonwealth of Massachusetts)

) s.s.: County of Middlesex

28th day of MARCH _, 2007, personally appeared before me Michael PATANE to On this me known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Joseph C. Andrade Notary Public My Commission Expires August 23, 2013 Commonwealth of Massachusetts

20 Executed this _ day of

)

Rui ZHENG

ACKNOWLEDGEMENT

Commonwealth of Massachusetts)

) S.S.:

County of _

day of _____, 2007, personally appeared before me Rui ZHENG to me On this known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.

L.S.

(Seal)

Notary Public

Executed this	day of	, 20	*		
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On this	day of	2007 persoi	nally appeared be	fore me Oliver SIM	IC to me
known and known by r and acknowledged tha	ne to be the same pe	erson described	in and who exec	uted the foregoing.	Assignment
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Executed this	day of	, 20	· · · · · · · · · · · · · · · · · · ·	· · ·	
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		L.S.			÷.,
Trixi BRANDL					
•		: •			e Al constantes
ACKNOWLEDGEMEN	NT				
State of) · ·				
County of) s.s.:			• •	
County of					×
On this	_day of	_, 2007, perso	nally appeared be	fore me Trixi BRAN	IDL to me

known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

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Executed this	day of	, 20	•	· · ·	· · ·	
		•	·			
		L.S.				
Pascal RIGOLLIER		· · ·			· · · ·	
ACKNOWLEDGEMENT						
State of)) s.s.:					
County of)					•
On this day me known and known by n Assignment and acknowle forth.	ne to be the sam	e person des	cribed in and wh	no executed th	ne foregoing	
(Seal)						
				Notary Put	olic	

Executed this _ day of 20 L.S. Francois LENOIR ACKNOWLEDGEMENT Commonwealth of Massachusetts)) s.s.: County of)

, 2007, personally appeared before me Francois LENOIR to On this _ ___day of__ me known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

ASSIGNMENT

For good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, we

David Thomas PARKER	residing at	541 Bedford Street Lexington, MA 02420
Mohindra SEEPERSAUD	residing at	3 Colby Street Belmont, MA 02478
Branko RADETICH	residing at	1 Saint Charles Street, Apt. 4 Boston, MA 01720
Aregahegn YIFRU	residing at	14 Murdock Street, Apt. 2-7 Somerville, MA 02145
Prakash RAMAN	residing at	125 Summer Street Acton, MA 01720
Jiping FU	residing at	74 Cutter Hill Road Arlington, MA 02474
Michael PATANE	residing at	273 Forest Street Reading, MA 01867
Rui ZHENG	residing at	38 Varnum Street Arlington, MA 02474
Oliver SIMIC	residing at	Gundeldingerstrassse 209 4053 Basel Switzerland
Trixi BRANDL	residing at	Murbacherstrasse 27 4056 Basel Switzerland
Pascal RIGOLLIER	residing at	4 bis, Avenue de la Première Division Blindée 68100 Mulhouse France
Francois LENOIR	residing at	5101 Stearns Hill Road Waltham, MA 02451

do hereby sell, assign and transfer to **Novartis AG**, a company organized under the laws of the Swiss Confederation, of Lichtstrasse 35, Basel, Switzerland 4056, and its successors, assigns and legal representatives, all of our right, title and interest for all countries of the world except Austria and to Novartis Pharma GmbH, a company organized under the laws of Austria, of Brunner Strasse 59, 1230 Vienna, Austria, and its successors, assigns and legal representatives, all of our right, title and interest for Austria (Novartis AG and Novartis Pharma GmbH) hereinafter referred to collectively as the "ASSIGNEES" in and to (1) all of our inventions and discoveries described in the patent provisional or non-provisional patent application(s) titled

ORGANIC COMPOUNDS AND THEIR USES

and filed in the United States Patent and Trademark Office on 20 ____ and accorded Application Number ______* and/or filed in the RO/ ______* and accorded International Patent Application Number , 20 on . *, (2) the patent application(s) identified in (1), (3) all national stages of PCT/_ any international patent application identified in (1), (4) all other patent applications in all countries and regions claiming the priority of the provisional or non-provisional patent application filed in the United States Patent and Trademark Office on April 11, 2006 and accorded Application Number 60/791,318 and on November 22, 2006 and accorded Application Number 60/866,874, (5) for all patent applications, all rights of priority based upon the United States patent application identified in (4) in all countries and regions under the Paris Convention for the Protection of Industrial Property, the Inter-American Convention relating to Inventions, Patents, Designs, and Industrial Models and all other international agreements to which the United States now is or hereafter becomes a signatory and, if the United States patent application identified in (4) is a provisional patent application, under 35 USC 119(e) (including the right to file patent applications on said inventions and discoveries in the names of ASSIGNEES or their designees or in our names, at their election and in accordance with applicable law in all countries and regions), (6) all continuations and divisions of any United States patent application or international patent application designating the United States identified in (1), any national stages of any international application identified in (1) and any patent applications within the scope of (4) (including further continuations and divisions such as, but not limited to, continuations of continuations and continuations of divisions), ((2)-(4) and (6) hereinafter referred to collectively as "patent applications"), (7) all patents that are granted on any of said patent applications, (8) all registrations and confirmations of, and importation certificates based upon, one or more of said patents and applications for such registrations, confirmations and importation certificates and (9) all reissues, renewals and extensions of said patents, registrations, confirmations and importation certificates, reexamination certificates issued for said patents and supplementary protection certificates based upon said patents and applications for such reissues, renewals, extensions, reexamination certificates and supplementary protection certificates, the same to be held and enjoyed by said ASSIGNEES and their successors, assigns and legal representatives to the full ends of the terms for which said patents, registrations, confirmations, importation certificates, reexamination certificates. supplementary protection certificates, reissues, renewals and extensions may be granted, as fully and entirely as the same would have been held and enjoyed by us if this sale, assignment and transfer had not been made.

And we hereby covenant and agree that we will, at any time, (i) upon the request, but at the expense, of **ASSIGNEES** or their successors, assigns or legal representatives execute and deliver all documents that may be necessary or desirable to perfect the title to the foregoing inventions and discoveries, patent applications, patents, registrations, confirmations, importation certificates, reissues, renewals, extensions, reexamination certificates, supplementary protection certificates and applications within the scope of (8) and (9) in **ASSIGNEES** or their successors, assigns or legal representatives, including the execution and procurement of all further documents evidencing this sale, assignment and transfer as may be necessary or desirable for recording the same in the patent office or other intellectual property office, agency or the like of any country or region, (ii) upon the request, but at the expense, of **ASSIGNEES** or their successors, assigns or legal representatives execute all additional patent applications within the scope of (3), (4) and (6) and all applications within the scope of (8) or (9) and (iii) make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of **ASSIGNEES** or their successors, assigns or legal representatives.

*We hereby authorize **ASSIGNEES** and their representatives to insert in this Assignment the filing date(s) and Application Number(s) of said patent application(s) when notified thereof.

Executed this _____ day of _____, 20____.

_____L.S. David Thomas PARKER

ACKNOWLEDGEMENT

Commonwealth of Massachusetts)

) s.s.: County of _____)

On this ______ day of ______, 2007, personally appeared before me **David Thomas PARKER** to me known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this _____ day of _____, 20____.

______L.S. Mohindra SEEPERSAUD

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Commonwealth of Massachusetts)

) s.s.: County of _____)

On this ______ day of _____, 2007, personally appeared before me Mohindra SEEPERSAUD to me known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this	day of	, 20	
Branko RADETICH		L.S.	
ACKNOWLEDGEME	NT		
Commonwealth of Ma	assachusetts)		
County of) S.S.:)		
me known and known	by me to be the sam	e person described i	appeared before me Branko RADETICH to n and who executed the foregoing f his (her) own free will for the purpose set
(Seal)	ν.		
			Notary Public
Executed this	day of	, 20	
Aregahegn YIFRU		L.S.	
ACKNOWLEDGEME	NT		
Commonwealth of Ma	assachusetts)		
County of) s.s.:)		

On this ______ day of ______, 2007, personally appeared before me **Aregahegn YIFRU** to me known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Page 5

Executed this	day of	, 20	
Prakash RAMAN		L.S.	
ACKNOWLEDGEME	NT		
Commonwealth of Ma) s.s.:		
me known and knowr	n by me to be the sa	me person describe	ly appeared before me Prakash RAMAN to d in and who executed the foregoing of his (her) own free will for the purpose set
(Seal)			
			Notary Public
Executed this	day of	, 20	
Jiping FU		L.S.	
ACKNOWLEDGEME	NT		
Commonwealth of Ma	assachusetts)		
County of) s.s.:)		
On this	day of	2007 personall	v appeared before me Jining EU to me

On this ______ day of ______, 2007, personally appeared before me Jiping FU to me known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this	day of	, 20	<u></u> .
		L.S.	
Michael PATANE			
ACKNOWLEDGEME	NT		
Commonwealth of Ma	assachusetts)		
) s.s.:		
County of)		
me known and known	by me to be the sa	me person desci	nally appeared before me Michael PATANE to ibed in and who executed the foregoing ame of his (her) own free will for the purpose set
(Seal)	- 2		
			Notary Public
Executed this	day of	, 20	
		L.S.	
Rui ZHENG			
	NT		
Commonwealth of Ma	•		
County of) s.s.:)		
On this	day of	, 2007, perso	nally appeared before me Rui ZHENG to me

On this ______ day of ______, 2007, personally appeared before me Rui ZHENG to me known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this 14 th day of Mare 4, 2007	
Alive Sime LS.	

Oliver SIMIC

ACKNOWLEDGEMENT

State of)
) s.s.:
County of)

On this ______ day of _____, 2007, personally appeared before me Oliver SIMIC to me known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this <u>19th</u> day of <u>Harch</u>, 20<u>07</u>. Fix Blaudl L.S. Trixi BRAND

. •

ACKNOWLEDGEMENT

State of)
) s.s.:
County of)

On this ______ day of _____, 2007, personally appeared before me **Trixi BRANDL** to me known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Patent Case 34769-US

Executed this <u>30</u> day of <u>March</u> , 20 <u>07</u> . <u>Mu</u> <u><u>Parcal</u><u>List</u>L.S. Pascal RIGOLLIER</u>
ACKNOWLEDGEMENT
State of)
) s.s.: County of)
On this day of, 2007, personally appeared before me Pascal RIGOLLIER to me known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.
(Seal)
Executed this day of, 20
L.S.

Francois LENOIR

ACKNOWLEDGEMENT

Commonwealth of Massachusetts)

) s.s.: County of _____)

On this ______ day of ______, 2007, personally appeared before me Francois LENOIR to me known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Attestation

I, the undersigned notary public of Basel, Switzerland, certify herewith the authenticity of the signatures of **Mr. Oliver Simic**, German citizen, residing in Basel, Switzerland; of **Ms. Trixi Brandl**, German citizen, residing in Basel, Switzerland; and of **Mr. Pascal Rigollier**, French citizen, residing in Mulhouse, France.

The authenticity of the signatures was established by comparison.

BASEL, Switzerland, this 10th (tenth) day of April 2007 (twothousandandseven).

S. Durchartt Nie NISHIN Leg.Prot.Nr. 113 /2007

RECORDED: 09/15/2010