

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
David BARNES	11/14/2006
Gary Mark COPPOLA	11/17/2006
Travis STAMS	11/17/2006
Sidney Wolf TOPIOL	11/10/2006
RECEIVING PARTY DATA	
Name:	Novartis AG
Street Address:	Lichtstrasse 35
City:	Basel
State/Country:	SWITZERLAND
Postal Code:	4056
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12096432
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	PAT034734-US-PCT
NAME OF SUBMITTER:	Katherine Kantorski

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Total Attachments: 9
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ASSIGNMENT

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

(1) **David BARNES**, (2) **Gary Mark COPPOLA**, (3) **Travis STAMS** and (4) **Sidney Wolf TOPIOL**

respectively residing at

1. **237 Varick Road, Waban, Massachusetts 02468, USA, citizen of USA**
2. **18 Aldersgate Circle, Budd Lake, New Jersey 07828, USA, citizen of USA**
3. **23 Robinwood Lane, Stow, Massachusetts 01775, USA, citizen of USA**
4. **15 Lafayette Place, Fair Lawn, NJ 07410, USA, citizen of USA**

do hereby sell, assign and transfer to Novartis AG, a company organized under the laws of the Swiss Confederation, of Lichtstrasse 35, 4056 Basel, Switzerland, 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 application(s) titled

ORGANIC COMPOUNDS

and filed in the United States Patent and Trademark Office on _____, 20__ and accorded Application Number _____ * and/or filed in the RO/ US on December 6, 2006 and accorded International Patent Application Number PCT/US2006/046542 _____ *, (2) the patent application(s) identified in (1), (3) all national stages of 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 08 December 2005 and accorded Application Number 60/748,492, (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.

*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.

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

(joint)

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.

Executed this 14 day of Nov, 20 06.

David Barnes L.S.

David BARNES

ACKNOWLEDGEMENT

State of Massachusetts)
County of Worcester) s.s.:

On this 14 day of Nov., 20 06, personally appeared before me David BARNES 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)

Elizabeth Wray
Notary Public

(joint)
Executed this 17 day of Nov, 2006.

Gary Mark Coppola L.S.
Gary Mark COPPOLA

ACKNOWLEDGEMENT

State of Massachusetts
County of Middlesex) s.s.:
)

On this 17 day of Nov., 2006, personally appeared before me
Gary Mark COPPOLA 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)

Elizabeth Swamy
Notary Public

Executed this 17 day of Nov, 2006.

Travis Stams L.S.
Travis STAMS

ACKNOWLEDGEMENT

State of Massachusetts
County of Middlesex) s.s.:
)

On this 17 day of Nov., 2006, personally appeared before me
Travis STAMS 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)

Elizabeth Swamy
Notary Public

(joint)

Patent Case 34734

ASSIGNMENT

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

(1) **David BARNES**, (2) **Gary Mark COPPOLA**, (3) **Travis STAMS** and (4) **Sidney Wolf TOPIOL**
respectively residing at

1. **237 Varick Road, Waban, Massachusetts 02468, USA, citizen of USA**
2. **18 Aldersgate Circle, Budd Lake, New Jersey 07828, USA, citizen of USA**
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ORGANIC COMPOUNDS

and filed in the United States Patent and Trademark Office on _____, 20__ and accorded Application Number _____ * and/or filed in the RO/ **US** on **06 December**, 2006 and accorded International Patent Application Number PCT/ **US2006/046542** *, (2) the patent application(s) identified in (1), (3) all national stages of 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 **08 December 2005** and accorded Application Number **60/748,492**, (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.

*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.

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

(joint)

Patent Case 34732

Executed this 10 day of November, 2006.

Sidney Wolf TOPIOL L.S.
(Handwritten signature)

ACKNOWLEDGEMENT

State of NJ)
) s.s.:
County of Bergen)

On this 10 day of November, 2006, personally appeared before me
Sidney Wolf TOPIOL 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)

(Handwritten signature)
Notary Public

PETER S. WEISSMANN
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires 6/21/10

FOR CERTIFIED COPY

I, the undersigned Civil Law Notary, Dr. Matthias Staehelin, hereby certify that the document attached heretofore is a true and authentic photocopy of the original.

BASEL (SWITZERLAND), this 10th (tenth) day of June 2008 (twothousandandeight)

M. Staehelin, Notar

Dr. M. Staehelin
Notar

Leg. Prot. 1281 /2008