

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Moise Azria</td> <td>09/12/2007</td> </tr> <tr> <td>Yatindra Joshi</td> <td>09/17/2007</td> </tr> <tr> <td>Rosario LoBrutto</td> <td>09/17/2007</td> </tr> <tr> <td>Linda Mindeholm</td> <td>09/14/2007</td> </tr> <tr> <td>Ashish Bipin Patel</td> <td>09/12/2007</td> </tr> </tbody> </table>		Name	Execution Date	Moise Azria	09/12/2007	Yatindra Joshi	09/17/2007	Rosario LoBrutto	09/17/2007	Linda Mindeholm	09/14/2007	Ashish Bipin Patel	09/12/2007
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Linda Mindeholm	09/14/2007												
Ashish Bipin Patel	09/12/2007												
RECEIVING PARTY DATA													
Name:	Novartis AG												
Street Address:	Lichtstrasse 35												
City:	Basel												
State/Country:	SWITZERLAND												
Postal Code:	4056												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12377401</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12377401								
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Application Number:	12377401												
CORRESPONDENCE DATA													
Fax Number:	9737818064												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	862-778-5806												
Email:	denise.cooper@novartis.com												
Correspondent Name:	David Kurlandsky												
Address Line 1:	Novartis Pharmaceuticals Corporation												
Address Line 2:	One Health Plaza, Bldg 101												
Address Line 4:	East Hanover, NEW JERSEY 07936												
NAME OF SUBMITTER:	Denise R. Cooper												
Total Attachments: 9 source=50255-Assignment#page1.tif													

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ASSIGNMENT

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

Moise Azria	residing at	Bundesplatz 6 Basel 4054 Switzerland
Yatindra Joshi	residing at	38 Walker Drive Princeton, New Jersey 08540
Rosario LoBrutto	residing at	6 Van Tassel Court Highland Mills, New York 10930
Linda Mindeholm	residing at	35A rue Haute Bettlach 68480 France
Ashish Bipin Patel	residing at	85 Franklin Avenue West Orange, New Jersey 07052,

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 (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

PHARMACEUTICAL COMPOSITIONS COMPRISING GHG FOR ORAL DELIVERY

and filed in the United States Patent and Trademark Office on _____, 20 and accorded Application Number _____ * and/or filed in the RO/ US on **August 28, 2007** and accorded International Patent Application Number **PCT/US07/76932***, (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 August 31, 2006 and accorded Application Number 60/824,140, (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

Executed this 17 day of Sept., 2007.

Yatindra Joshi L.S.
Yatindra Joshi

ACKNOWLEDGEMENT

State of NEW JERSEY)
) s.s.:
County of MORRIS)

On this 17th day of SEPTEMBER, 2007, personally appeared before me **Yatindra Joshi** 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)

Linda K. Adams
Notary Public

LINDA K. ADAMS
A Notary Public of New Jersey
My Commission Expires March 28, 2009

Executed this 17th day of Sept, 2007.

Rosario LoBrutto L.S.
Rosario LoBrutto

ACKNOWLEDGEMENT

State of NEW JERSEY)
) s.s.:
County of MORRIS)

On this 17th day of SEPTEMBER, 2007, personally appeared before me **Rosario LoBrutto** 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)

Linda K. Adams
Notary Public

LINDA K. ADAMS
A Notary Public of New Jersey
My Commission Expires March 28, 2009

Executed this _____ day of _____, 20_____.

_____ L.S.

Linda Mindeholm

ACKNOWLEDGEMENT

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

On this _____ day of _____, 20_____, personally appeared before me **Linda Mindeholm** 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 12 day of Sep, 20 07.

[Signature]
_____ L.S.

Ashish Bipin Patel

ACKNOWLEDGEMENT

State of NEW JERSEY)
) s.s.:
County of MORRIS)

On this 12th day of SEPTEMBER, 2007, personally appeared before me **Ashish Bipin Patel** 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)

[Signature]

Notary Public

LINDA K. ADAMS
A Notary Public of New Jersey
My Commission Expires March 28, 2009

ASSIGNMENT

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

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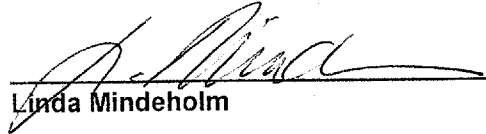
do hereby sell, assign and transfer to **Novartis AG**, a company organized under the laws of the Swiss Confederation, of Lichtstrasse 35, Basel, Switzerland 4056, and its successors, assigns and legal representatives, all of our right, title and interest for all countries of the world (hereinafter referred 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

PHARMACEUTICAL COMPOSITIONS COMPRISING HGH FOR ORAL DELIVERY

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PATENT**REEL: 029188 FRAME: 0296**

Executed this 14th day of September, 2007.

 L.S.
Linda Mindeholm

ACKNOWLEDGEMENT

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

On this _____ day of _____, 20____, personally appeared before me **Linda Mindeholm** 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.
Ashish Bipin Patel

ACKNOWLEDGEMENT

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

On this _____ day of _____, 20____, personally appeared before me **Ashish Bipin Patel** 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)

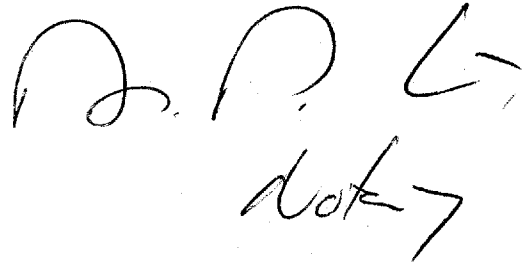
Notary Public

Attestation

I, the undersigned notary public of Basel, Switzerland, certify herewith the authenticity of the signatures of **Mr. Moise Azria**, born on the 1st (first) day of January 1936 (nineteen hundred thirty-six), citizen of France and Switzerland, residing in Basel, Switzerland; and of **Ms. Linda Mindeholm**, born on the 13th (thirteenth) day of March 1953 (nineteen hundred fifty-three), citizen of Denmark, residing in Bettlach, France.


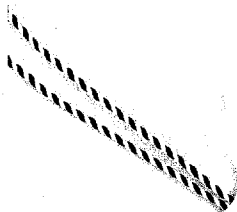
The authenticity of the signatures was established by means of comparison.

BASEL, Switzerland, this 2nd (second) day of January 2008 (twothousandandeight).



Handwritten signature of Dr. R.M. Müller, consisting of stylized initials and a surname.

Dr. R.M. Müller
Notar



Leg.Prot.Nr. A /2008