

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>Rama Ali Abu Shmeis</td> <td>12/09/2003</td> </tr> <tr> <td>James Kowalski</td> <td>01/19/2004</td> </tr> <tr> <td>Steven L Krill</td> <td>12/08/2003</td> </tr> <tr> <td>Lakshmanan Jayanth Parthiban</td> <td>01/17/2004</td> </tr> <tr> <td>Zeren Wang</td> <td>12/09/2003</td> </tr> </tbody> </table>		Name	Execution Date	Rama Ali Abu Shmeis	12/09/2003	James Kowalski	01/19/2004	Steven L Krill	12/08/2003	Lakshmanan Jayanth Parthiban	01/17/2004	Zeren Wang	12/09/2003
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<table border="1"> <tr> <td>Name:</td> <td>Novartis AG</td> </tr> <tr> <td>Street Address:</td> <td>Lichtstrasse 35</td> </tr> <tr> <td>City:</td> <td>Basel</td> </tr> <tr> <td>State/Country:</td> <td>SWITZERLAND</td> </tr> <tr> <td>Postal Code:</td> <td>4056</td> </tr> </table>		Name:	Novartis AG	Street Address:	Lichtstrasse 35	City:	Basel	State/Country:	SWITZERLAND	Postal Code:	4056		
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CORRESPONDENCE DATA													
<p>Fax Number: 9737818064 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 862-778-7948</p> <p>Email: monika.van_houten@novartis.com</p> <p>Correspondent Name: Novartis Pharmaceuticals</p> <p>Address Line 1: One Health Plaza</p> <p>Address Line 4: East Hanover, NEW JERSEY 07936-1080</p>													
ATTORNEY DOCKET NUMBER:	PAT032821-US-PCT												
NAME OF SUBMITTER:	Monika Van Houten												
Signature:	/monika van houten/												

CH \$40.00 10543289

Date:	04/05/2013
Total Attachments: 2 source=PAT032821Assignment#page1.tif source=PAT032821Assignment#page2.tif	

ASSIGNMENT

We,

Rama Ali Abu Shmeis	residing at	41 Tamarack Avenue, Unit #122 Danbury, Connecticut 06811
James Kowalski	residing at	70 Ketcham Road Belle Mead, New Jersey 08502 United States of America
Steven L Krill	residing at	91 Starrs Plain Road Danbury, Connecticut 06810 United States of America
Lakshmanan Jayanth Parthiban	residing at	215 Vista Drive Cedar Knolls, New Jersey 07927 United States of America
Zeren Wang	residing at	88 Elk Drive Southbury, Connecticut 06488 United States of America,

for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, do hereby sell and assign to **Novartis AG**, a company organized under the laws of the Swiss Confederation, having a place of business at Lichtstrasse 35, Basel, Switzerland 4056, its successors, assigns and legal representatives, all our right, title and interest, which includes the right to and full benefit of such priorities as may now or hereafter be granted to us by local laws or by treaty, including any international convention for the protection of industrial property, in and for all countries of the world except the United States and its territories and possessions in and to the invention entitled:

PHARMACEUTICAL FORMULATION

invented by us and described in the application for United States Letters Patent

Application No. 60/444,602, filed February 3, 2003,

all applications for Letters Patent therefor in all countries and territories of the world except the United States and its territories and possessions (including all non-provisional applications and applications for continuations and divisions of such applications and all applications for modifications and extensions of such applications and Letters Patent issuing

thereon) and all Letters Patent which may be granted and/or issued therefor in all of said countries and territories (including all modifications and extensions thereof and supplemental protection certificates relating thereto), the said interest being the entire ownership of said invention and all of said applications and Letters Patent when granted and/or issued, to be held and enjoyed by the said Novartis AG and its successors and assigns to the full end of the terms to which said Letters Patent may be granted and/or issued, 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 agree to sign and/or execute any further documents and/or instruments which may be necessary, lawful and proper in and/or for the filing and/or prosecution of all of said applications for Letters Patent in all countries and territories of the world except the United States and its territories and possessions for the above-identified invention and/or the granting and/or issuance of all of said Letters Patent and/or to otherwise secure title to said invention and all of said applications and Letters Patent in said assignee.

Signed this 9th day of December 2003 by Rama Ali Abu Shmeis
Rama Ali Abu Shmeis

Signed this 19th day of January, ~~2003~~ ²⁰⁰⁴ by James Kowalski
James Kowalski

Signed this 8th day of June, 2003 by Steven L Krill
Steven L Krill

Signed this 17th day of January, ~~2003~~ ²⁰⁰⁴ by Lakshmanan Jayanth Parthiban
Lakshmanan Jayanth Parthiban

Signed this 8th day of December, 2003 by Zeren Wang
Zeren Wang