PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Nguyen Tan	02/21/2009
Eleni Venetsanakos	01/29/2007
Michel Faure	01/23/2009
Carla Heise	03/07/2009

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:	12375074

CORRESPONDENCE DATA

Fax Number: (973)781-8064 Phone: 862-778-7824

Email: pip_inbox.phchbs@novartis.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: George R. Dohmann

Address Line 1: Novartis Pharmaceuticals Corporation

Address Line 2: One Health Plaza, Bldg 101

Address Line 4: East Hanover, NEW JERSEY 07936

ATTORNEY DOCKET NUMBER:	PAT052073
NAME OF SUBMITTER:	Denise Cooper

PATENT

REEL: 026917 FRAME: 0343

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ASSIGNMENT

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

Nguyen Tan

residing at

c/o Novartis Vaccines & Diagnostics, Inc.

P.O. Box 8097

Emeryville, CA 94662-8097

Eleni Venetsanakos

residing at

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P.O. Box 8097

Emeryville, CA 94662-8097

Michel Faure

residing at

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Emeryville, CA 94662-8097

Carla Heise

residing at

c/o Novartis Vaccines & Diagnostics, Inc.

P.O. Box 8097

Emeryville, CA 94662-8097

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 as the "**ASSIGNEE**") in and to (1) all of our inventions and discoveries described in the patent provisional or non-provisional patent application(s) titled

USE OF MELANOMA INHIBITORY ACTIVITY (MIA) PROTEIN AS AN EARLY INDICATOR FOR THERAPEUTIC RESPONSE IN MELANOMA

and and filed in the United States Patent and Trademark Office on * and/or filed in the RO/ US accorded Application Number on July 26, 2007 and accorded International Patent Application Number PCT/US2007/016848*, (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 July 28, 2006 and accorded Application Number 60/820,756, (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,

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On this	day of	_, 20	personally appear	ed before me Eleni	
Venetsanakos to me	known and known by	me to be th	ne same person des	scribed in and who e	executed
the foregoing Assignment	ent and acknowledge	ed that (s)he	executed the same	e of his (her) own fre	e will for
the purpose set forth.					
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•		L.S.			
Michel Faure				•	
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For good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, we

Nguyen Tan residing at c/o Novartis Vaccines & Diagnostics, Inc.

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and filed in the United States Patent and Trademark (Office on	<u>, 20 </u>	and
accorded Application Number	* and/or filed in the F	₹O/ US	
on <u>July 26, 2007</u> and accorded International Patent A	Application Number <u>F</u>	PCT/US2007	
(2) the patent application(s) identified in (1), (3) all na	itional stages of any i	international	patent
application identified in (1), (4) all other patent applica-	ations in all countries	and regions	s claiming
the priority of the provisional or non-provisional paten	nt application filed in t	the United S	tates
Patent and Trademark Office on July 28, 2006 and a	ccorded Application I	Number 60/8	320,756,
(5) for all patent applications, all rights of priority base	ed upon the United S	tates patent	
application identified in (4) in all countries and region	s under the Paris Co	nvention for	the
Protection of Industrial Property, the Inter-American (Convention relating to	o Inventions,	Patents,
Designs, and Industrial Models and all other internati	onal agreements to v	which the Un	ited States
now is or hereafter becomes a signatory and, if the U	inited States patent a	application id	entified 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			
or in our names, at their election and in accordance v	with applicable law in	all countries	s and
regions), (6) all continuations and divisions of any Un			
international patent application designating the Unite	d States identified in	(1), any nati	onai
stages of any international application identified in (1)) and any patent app	lications with	in the
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referred to collectively as "patent applications"), (7) a	il patents that are gra	anted on any	or said
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importation certificates and (9) all reissues, renewals	and extensions of s	aid 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		
Nguyen Tan		L.S.			
ACKNOWLEDGEME	NT ,				
State of)				
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On thisto me known and known and ackreasignment and ackreastration.	own by me to be the	same pers	on described in	and who executed t	he foregoing
(Seal)					
		•		Notary Public	;

Executed this day of, 20
Eleni Venetsanakos
Lielli Velletsallakos
ACKNOWLEDGEMENT
State of)
) s.s.:
County of)
On this day of, 20, personally appeared before me Eleni Venetsanakos 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 23 day of Jenuery 20 09. Michel Faure L.S.
ACKNOWLEDGEMENT
State of) s.s.:
County of)
On this day of, 20, personally appeared before me Michel Faure 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)
/

Patent Case 52073-US-PCT

Notary Public

Executed this	day of		_, 20			
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Carla Heise						
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On this known and known b and acknowledged	y me to be the san	ne person de	escribed in a	and who exec	cuted the fore	going Assignment
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State of California

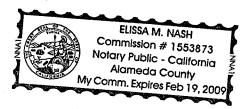
County of Alameda

On January 29, 2009 before me, Elissa M. Nash, personally appeared Eleni Venetsanakos, who provided to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTIY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Elissa M. Nash



State of California

County of Alameda

On January 23, 2009 before me, Elissa M. Nash, personally appeared Michel Faure, who provided to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTIY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Elissa M. Nash

ELISSA M. NASH
Commission # 1553873
Notary Public - California
Alameda County
My Comm. Expires Feb 19, 2009

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

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Executed this	day of, 20	_•	
	L.S.		
Nguyen Tan			
ACKNOWLEDGEMENT			
State of)		
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On this day of to me known and known by m Assignment and acknowledge forth.	ne to be the same person desc	ribed in and who executed t	ne toregoing
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Executed this	day of	, 20_	•			
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Venetsanakos to me kn the foregoing Assignmen the purpose set forth.						
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Patent Case 52073-US-PCT Notary Public

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CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of Colifornia						
State of California	}					
County of Solano	J					
On 3/7/09 before me,	Triny Lopez, Notary Public Here Insert Name and Title of the Officer					
personally appeared Carla_	Here insert Name and Title of the Officer Herse					
personally appeared	Name(s) of Signer(s)					
	who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.					
TRINY LOPEZ COMM. #1756084 NOTARY PUBLIC - CALIFORNIA SOLANO COUNTY My Comm. Expires July 8, 2011	I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.					
	WITNESS my hand and official seal.					
	Signature Stonature of Notary Public					
Place Notary Seal Above OP1	Signature of Notary Pupinc					
Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.						
Description of Attached Document						
Title or Type of Document: ASS 16	SUMENT					
Document Date:	Number of Pages:					
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