

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Novartis Pharma AG	01/19/2009
RECEIVING PARTY DATA	
Name:	Novartis AG
Street Address:	Lichtstrasse 35
City:	Basel
State/Country:	SWITZERLAND
Postal Code:	4002
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	29307282
CORRESPONDENCE DATA	
Fax Number:	(973)781-8064
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	8627787948
Email:	monika.van_houten@novartis.com
Correspondent Name:	Monika Van Houten
Address Line 1:	One Health Plaza, Bldg. 101
Address Line 4:	East Hanover, NEW JERSEY 07936-1080
ATTORNEY DOCKET NUMBER:	53523-US-DSPT
NAME OF SUBMITTER:	Monika Van Houten
Total Attachments: 4 source=53523Assig#page1.tif source=53523Assig#page2.tif source=53523Assig#page3.tif source=53523Assig#page4.tif	

CH \$40.00 29307282

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PATENT
REEL: 022413 FRAME: 0352

ASSIGNMENT

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

Novartis Pharma AG, a company organized under the laws of the Switzerland, of Lichtstrasse 35, CH-4002, Basel, Switzerland

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 (Novartis AG hereinafter referred to collectively as the "ASSIGNEES") in and to those patents and patent applications set forth on Schedules A and B hereto (collectively, the "ASSIGNED PATENTS"), as well as any extensions, divisions, reexaminations, reissues and continuations thereof and any applications or patents that claim priority from such patents and applications, including any foreign counterparts thereto, and all rights, claims and privileges pertaining to any of the foregoing.

Executed this 19th day of January, 2005.

NOVARTIS PHARMA AG

[Signature] L.S.

Jane Violet FERTEL Arthur CANONICA
Duly authorized signatories

ACKNOWLEDGEMENT

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

On this _____ day of _____, 20_____, personally appeared before me _____ 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, Dr. Matthias Staehelin, certify herewith that the above signatures are the genuine signatures of **Ms. June Violet Mentel**, citizen of Grenchen/SO, Switzerland, residing in Arlesheim/BL, Switzerland, and of **Mr. Arthur Canonica**, citizen of Corticiasca/TI, Switzerland, residing in Wisen/SO, Switzerland, both acting for **Novartis Pharma AG**, in Basel, Switzerland, both as proxy holders, both with joint signature.

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

Basel, Switzerland, this 21st (twenty-first) day of January 2009 (two thousand and nine)



M. Staehelin, Notar
Dr. M. Staehelin
Notar

Leg. Prot. Nr. 295 /2009

SCHEDULE A TO ASSIGNMENT

[See Attachment]

PATENT

REEL: 022413 FRAME: 0355

MATTER NO.	COUNTRY ID.	SERIAL NO.	PATENT NO.	PUBL NO.	TITLE	RELATED	STATUS	FILE	PUBL	ISSUE	EXPIRATION
0329.PRO	US	61/070,260			POWDER DISPERSION APPARATUS, METHOD OF MAKING AND USING THE APPARATUS, COMPONENTS THAT CAN BE USED ON THE APPARATUS AND OTHER DEVICES, AND VARIOUS ACTIVE AGENTS		PENDING	3 /21/2008			
0330.PRO	US	61/070,693			NUCLEASE COMPOSITIONS, METHODS OF MAKING AND USING SUCH COMPOSITIONS, AND SYSTEMS FOR PULMONARY DELIVERY OF SUCH COMPOSITIONS		PENDING	3 /24/2008			
0328.DES	US	29/307,173			AEROSOLIZATION DEVICE		PENDING	4 /4 /2008			
0332.DES	US	29/307,282			NEBULIZER		PENDING	4 /10/2008			
0333.PRO	US	61/128,386			ANTIVIRAL COMPOSITIONS, METHODS OF MAKING AND USING SUCH COMPOSITIONS, AND SYSTEMS FOR PULMONARY DELIVERY OF SUCH COMPOSITIONS		PENDING	5 /20/2008			
0329.PRO2	US	61/126,078			POWDER DISPERSION APPARATUS, METHOD OF MAKING AND USING THE APPARATUS, COMPONENTS THAT CAN BE USED ON THE APPARATUS AND OTHER DEVICES, AND VARIOUS ACTIVE AGENTS		PENDING	4 /30/2008			
0334.PRO	US	61/127,780			CIPROFLOXACIN BETANE COMPOSITIONS, METHODS OF MAKING AND USING SUCH COMPOSITIONS, AND SYSTEMS FOR PULMONARY DELIVERY OF SUCH COMPOSITIONS		PENDING	5 /15/2008			