

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
GREGORY HINKLE	11/10/2010
SATYANARAYANA KUCHIMANCHI	11/10/2010
STUART MILSTEIN	11/10/2010
TRACY S. ZIMMERMAN	11/10/2010
RECEIVING PARTY DATA	
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Street Address:	300 THIRD STREET
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02142
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16411805
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NAME OF SUBMITTER:	ROBERT M. TEIGEN
SIGNATURE:	/Robert M. Teigen/
DATE SIGNED:	10/10/2019
Total Attachments: 5	
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ASSIGNMENT

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

Gregory HINKLE	citizen of the United States of America	Amylam Pharmaceuticals, Inc. 300 Third Street Cambridge, MA 02142 USA
Satyaharayana KUCHIMANCHI	citizen of the United States of America	Amylam Pharmaceuticals, Inc. 300 Third Street Cambridge, MA 02142 USA
Stuart MILSTEIN	citizen of the United States of America	Amylam Pharmaceuticals, Inc. 300 Third Street Cambridge, MA 02142 USA
Tracy S. ZIMMERMANN	citizen of the United States of America	Amylam Pharmaceuticals, Inc. 300 Third Street Cambridge, MA 02142 USA

do hereby sell, assign and transfer to Amylam Pharmaceuticals, Inc., a company organized under the laws of the United States of America, 300 Third Street, Cambridge, MA 02142, USA, (hereinafter referred to as the "ASSIGNEE") and its successors, assigns and legal representatives, all of my right, title and interest for all countries of the world in and to (1) all of my inventions and discoveries described in the patent application(s) titled

ORGANIC COMPOSITIONS TO TREAT HSF1-RELATED DISEASES

and filed in the United States Patent and Trademark Office on _____, 20__ and accorded Application Number _____* and/or filed in the ROI/ _____ on _____, 20__ and accorded International Patent Application Number PCT/_____, (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 December 18, 2009 and accorded Application Number 81/288,137, (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 ASSIGNEE 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 ASSIGNEE 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 ASSIGNEE 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 ASSIGNEE 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 ASSIGNEE 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 ASSIGNEE 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 ASSIGNEE or their successors, assigns or legal representatives.

This Assignment is effective as from the earliest priority date as stated above.

Executed this 10 day of NOV, 2010



Gregory HINKLE L.S.

ACKNOWLEDGEMENT

State of MA)
) s.s.
County of Middlesex)

On this 10 day of November, 2010, personally appeared before me
Gregory Hinkle 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

 LAURA A. RYAN
Notary Public
Commonwealth of Massachusetts
My Commission Expires
October 14, 2016

Executed this 10 day of November, 2010

Satyanarayana Kuchimanchi L.S.
Satyanarayana KUCHIMANCHI

ACKNOWLEDGEMENT

State of MA)
) s.s.
County of Middlesex)

On this 10 day of November, 2010, personally appeared before me
Satyanarayana Kuchimanchi 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)

Laura A. Ryan
Notary Public
LAURA A. RYAN
Notary Public
Commonwealth of Massachusetts
My Commission Expires
October 14, 2016

Executed this 10 day of November, 2010

Stuart Milstein L.S.
Stuart MILSTEIN

ACKNOWLEDGEMENT

State of MA)
) s.s.
County of Middlesex)

On this 10 day of November, 2010, personally appeared before me
Stuart Milstein 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)

Laura A. Ryan
Notary Public
LAURA A. RYAN
Notary Public
Commonwealth of Massachusetts
My Commission Expires
October 14, 2016

Executed this 10 day of November, 2010

Tracy S. Zimmermann L.S.
Tracy S. ZIMMERMANN

ACKNOWLEDGEMENT

State of MA)
) s.s.
County of Hampden)

On this 10 day of November, 2010, personally appeared before me
Tracy S. Zimmermann 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)

Laura A. Ryan
Notary Public



LAURA A. RYAN
Notary Public
Commonwealth of Massachusetts
My Commission Expires
October 14, 2016

ACCEPTANCE OF ASSIGNMENT

With reference to the Assignment to Alnylam Pharmaceuticals, Inc., of an invention entitled "ORGANIC COMPOSITIONS TO TREAT HSF1-RELATED DISEASES" signed by Gregory HINKLE, Setyanarayana KUCHIMANCHI, Stuart MILSTEIN and Tracy S. ZIMMERMANN; this will certify that Alnylam Pharmaceuticals, Inc., accepts such Assignment.

Alnylam Pharmaceuticals, Inc.

By:

Name:

Function:

Date:

November 11, 2010

Steve Bessone

V.P. Intellectual Property

11/12/2010



LAURA A. RYAN
Notary Public
Commonwealth of Massachusetts
My Commission Expires
October 1st, 2016