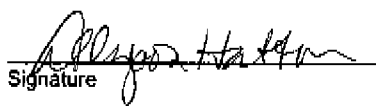


Substitute Form PTO-1595  
 Attorney Docket No.: 14174-116001  
 Client's Ref. No.: ALNE-027

## RECORDATION FORM COVER SHEET PATENTS ONLY

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3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:  Execution Date: <b>01/23/2007</b>	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s): <b>11/477,028      PCT/US2006/025088</b> B. Patent No(s):  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed:  <b>ALLYSON R. HATTON, PH.D.</b> <b>Fish &amp; Richardson P.C.</b> <b>225 Franklin Street</b> <b>Boston, MA 02110</b>	6. Total number of applications/patents involved: <b>2</b>  7. Total fee (37 CFR §3.41): <b>\$80</b> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to charge Deposit Account.  8. Deposit Account No.: <b>06-1050</b> Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
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9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>  <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <b>Allyson R. Hatton, Ph.D.</b>  <b>Reg. No. 54,154</b>            Name of Person Signing         </div> <div style="width: 30%; text-align: center;">             Signature         </div> <div style="width: 30%; text-align: center;"> <b>February 20, 2007</b>            Date         </div> </div>	
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I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office on the date indicated below.

**February 20, 2007**            **Scott Barrett**  
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Attorney Docket No.: 14174-116001 / ALNE-027

ASSIGNMENT

For valuable consideration, I, Birgit Bramlage, of Johann-Eck-Str. 11, 95326 Kulmbach, Germany; hereby assign to ALNYLAM EUROPE AG, a corporation of Germany, having a place of business at Fritz-Hornschuch-Str. 9, 95326 Kulmbach, Germany, and its successors and assigns (collectively hereinafter called "the Assignee"), my entire right, title and interest throughout the world in the inventions and improvements which are subject of the following patent applications by me, Akin Akinc, Antonin de Fougereolles, Hans-Peter Vornlocher, and Philipp Hadwiger, entitled RNAI MODULATION OF HIF-1 AND THERAPEUTIC USES THEREOF: a utility application for United States Patent filed June 27, 2006, and assigned U.S. Serial Number 11/477,028; and a PCT application filed June 27, 2006, and assigned PCT Serial Number PCT/US2006/025088; this assignment, including said applications, and any and all continuations, continuations-in-part, and divisional applications, and any and all United States and foreign patents (including reissues, reexaminations, extensions), utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said applications under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I hereby confirm my prior authorization of the Assignee, as of June 27, 2006, to apply in all countries in my name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventor's certificates for said inventions and improvements; and I agree for myself and my heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment, the effectiveness of this assignment including as of the filing date of the above-identified applications and any applications from which the above-identified applications claim benefit of.

PATENT

Attorney Docket No.: 14174-116001 / ALNE-027

DATE: 23 Jan. 07BIRGIT BRAMLAGE

Witnessed by:

Name:

[Signature]

Date:

23 Jan 2007

Name:

A. Miller

Date:

23 Jan - 07

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