

U.S. DEPARTMENT OF COMMERCE

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PATENTS ONLY

Patent and Trademark Office

Attorney's Docket No. 39766-0090A

To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): **PAUL ARMSTRONG; and CHRISTOPHER GRANGER**  
 Individual(s)  Association  
 General Partnership  Limited Partnership  
 Corporation-State  Other  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):  
Name: **BOEHRINGER INGELHEIM PHARMACEUTICALS, INC.**  
Address: **900 Ridgebury Road, PO Box 368**  
City: **Ridgefield** State: **Connecticut** Zip Code: **06877-0368 USA**  
Additional name(s) & address(es) attached?  Yes  No

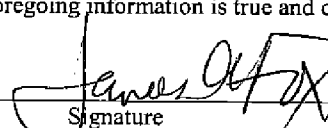
3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other:  
Execution Date: **JUNE 2 and 15, 2003**

4. Application number(s) or patent number(s): **10/371,778**  
If this document is being filed with a new application, the execution date of the application is:  
A. Patent Application No.(s): B. Patent No.(s):  
Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning Document should be mailed:  
**James A. Fox  
Heller Ehrman White & McAuliffe, LLP  
275 Middlefield Road  
Menlo Park, California 94025-3506**

6. Total number of applications and patents involved: **1**  
7. Total fee (37 C.F.R. § 3.41):  
 Enclosed  
 Authorized to be charged to deposit account, referencing Attorney Docket No. **39766-0090A**  
8. Deposit account number: **08-1641**

The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §1.21 that may be required by this paper, or to credit any overpayment to Deposit Account No. **08-1641**  
**DO NOT USE THIS SPACE**

9. Statement and signature.  
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.  
Name: **JAMES A. FOX (Reg. No. 38,455)**  Date: **SEPTEMBER 8, 2003**  
Signature

Total number of pages comprising cover sheet, attachments and document: **3**

Mail documents to be recorded with required cover sheet information to:  
Mail Stop Assignment Recordation Services  
Director of the US Patent & Trademark Office  
PO Box 1450  
Alexandria, Virginia 22313-1450

CH \$40.00 081641 10371778

**ASSIGNMENT**

This Assignment is made by Assignors: **Paul Armstrong** residing at **University of Alberta, Department of Medicine – Division of Cardiology, 251 Medical Sciences Building, Edmonton, Alberta, Canada T6G 2H7**; and **Christopher Granger** residing at **2400 Pratt Street, Room 0311 Terrace Level, Durham, North Carolina 27705 USA**, to Assignee: **BOEHRINGER INGELHEIM PHARMACEUTICALS, INC., 900 Ridgebury Road, PO Box 368, Ridgefield, Connecticut 06877-0368 USA**, a Corporation.

WHEREAS, Assignors have invented a new and useful **COMBINATION TREATMENT WITH t-PA VARIANT AND LOW MOLECULAR WEIGHT HEPARIN** for which an application for United States Letters Patent was filed in the United States Patent and Trademark Office on **February 21, 2003** and assigned Serial No. **10/371,778** and

WHEREAS, Assignors believe themselves to be the original, first and joint inventors of the invention disclosed and claimed in said application for Letters Patent; and

WHEREAS, Assignee desires to acquire the entire right, title and interest in and to said invention, said application and any Letters Patent that may be granted for said invention in the United States and throughout the world;

Assignors hereby sell, assign and transfer to Assignee, the entire right, title and interest in and to said invention, said application and any Letters Patent that may be granted for said invention in the United States and throughout the world, including the right to file foreign applications directly in the name of Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise.

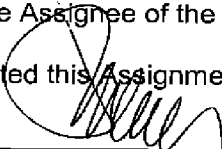
Further, Assignors agree that, upon request and without further compensation, but at no expense to Assignors, they and their legal representatives and assignees will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing or enforcing any Letters Patent in the United States and throughout the world for said invention, and for perfecting, recording or maintaining the title of Assignee, its successors and assignees, to the interest assigned herein to said invention, said application and any Letters Patent granted for said invention in the United States and throughout the world.

Assignors represent and warrant that they have not granted and will not grant to others any rights inconsistent with the assignment herein.

Assignors authorize and request the Commissioner of Patents and Trademarks of the United States and of all foreign countries to issue any Letters Patent granted for said invention, whether on said application or on any subsequently filed division, continuation, continuation-in-part or reissue application, to Assignee, its successors and assignees, as the Assignee of the entire interest in said invention.

IN WITNESS WHEREOF, Assignors have executed this Assignment on the dates written herein below.

June 2, 2003  
Date

  
\_\_\_\_\_  
**PAUL ARMSTRONG**

\_\_\_\_\_  
Date

\_\_\_\_\_  
**CHRISTOPHER GRANGER**

Application Serial No. 10/371,778  
Attorney's Docket No. 39766-0090A

## ASSIGNMENT

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WHEREAS, Assignors believe themselves to be the original, first and joint inventors of the invention disclosed and claimed in said application for Letters Patent; and

WHEREAS, Assignee desires to acquire the entire right, title and interest in and to said invention, said application and any Letters Patent that may be granted for said invention in the United States and throughout the world;

Assignors hereby sell, assign and transfer to Assignee, the entire right, title and interest in and to said invention, said application and any Letters Patent that may be granted for said invention in the United States and throughout the world, including the right to file foreign applications directly in the name of Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise.

Further, Assignors agree that, upon request and without further compensation, but at no expense to Assignors, they and their legal representatives and assignees will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing or enforcing any Letters Patent in the United States and throughout the world for said invention, and for perfecting, recording or maintaining the title of Assignee, its successors and assignees, to the interest assigned herein to said invention, said application and any Letters Patent granted for said invention in the United States and throughout the world.

Assignors represent and warrant that they have not granted and will not grant to others any rights inconsistent with the assignment herein.

Assignors authorize and request the Commissioner of Patents and Trademarks of the United States and of all foreign countries to issue any Letters Patent granted for said invention, whether on said application or on any subsequently filed division, continuation, continuation-in-part or reissue application, to Assignee, its successors and assignees, as the Assignee of the entire interest in said invention.


IN WITNESS WHEREOF, Assignors have executed this Assignment on the dates written herein below.

\_\_\_\_\_  
Date

June 15, 2003

\_\_\_\_\_  
Date

\_\_\_\_\_  
PAUL ARMSTRONG



\_\_\_\_\_  
CHRISTOPHER GRANGER

Application Serial No. 10/371,778  
Attorney's Docket No. 39766-0090A

SV 435556 v1  
5/22/03 5:27 PM (39766.0090)

**PATENT**  
**REEL: 013956 FRAME: 0734**

# HellerEhrman

ATTORNEYS

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Menlo Park, CA 94025-3506  
Main: (650) 324-7000  
Fax: (650) 324-0638

## Facsimile Transmittal

*Confidential and Privileged  
Attorney-Client Communication*

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**To:** Assignment Branch  
U.S. Patent & Trademark Office

**Telephone:** (703) 308-9723 **Fax:** (703) 306-5995

**From:** JAMES A. FOX

**Telephone:** (650) 324-6951

**No. of Pages:** 4 (including cover)

**Date:** SEPTEMBER 8, 2003

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Re: U.S. Patent Application Serial No. 10/371,778  
Filed: February 21, 2003  
Title: ***Combination Treatment With t-PA Variant and Low Molecular Weight Heparin***  
Inventor: Armstrong, et al.  
Our Reference: 39766-0090 A

Message:

Dear Sir:

Attached are the following documents:

1. Recordation Form Cover Sheet
2. Executed Assignment (2 pages)

Please charge recording fee to our Deposit Account No. **08-1641**, referencing attorney's docket number **39766-0090 A**. Thank you.

C:\Documents and Settings\cfong\Desktop\Faxes\USPTO - Assignment-Recording.doc  
9/8/03 9:57 AM ()

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Heller Ehrman White & McAuliffe LLP www.hewm.com

San Francisco Silicon Valley Los Angeles San Diego Seattle Portland Anchorage **PATENT** Washington D.C.  
Hong Kong Singapore Affiliated Offices: Frankfurt Milan Paris Rome

**RECORDED: 09/08/2003**

**REEL: 013956 FRAME: 0735**