	04-12-2007	United States Patent and Trademark Office
	REC	ET
щ	To the Director of the U.S. Pater 103394145	.iginal documents or copies thereof.
0	1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
Ò	David L. Berstein	Name: ARIAD Gene Therapeutics, Inc.
4.10.07	Leonard W. Rozamus Yihan Wang	Internal Address: 26 Landsdowne Street
7	Chester A. Metcalf, III	Street Address: 26 Landsdowne Street
	f.	City: Cambridge State: MA Zip: 02139
		Country: <u>USA</u>
	Additional name(s) of conveying parties attached? ☐ Yes ☑ No	Additional names attached? Yes No
	3. Nature of conveyance/Execution Date(s):	P R
	✓ Assignment □ Merger	AFR 10 MIII
	☐ Security Agreement ☐ Change of Name	
	Other	
	Execution Date(s): March 28, 2007, April 4, 2007, April 4, 2007, January	29, 2007
	4. Application or patent number(s):	☐ This document is being filed together with a new application.
	A. Patent Application No.(s) 11/650,017	B. Patent No.(s)

Form PTO 1595

Phone Number: 617-494-0400 b. Deposit Account Number: 01-2315 Fax Number: 617-494-0208 Authorized User Name: David L. Berstein 9. Signature: Reg. No.: 31,235

Zip: 02139

Expiration date

Additional numbers attached? ☐ Yes ☑ No

involved: $\underline{1}$

No. 01-2315

7. Total fee (37 CFR 3.41)

8. Payment Information

a. Credit Card Last 4 numbers

6. Total number of applications and patents

Authorized to be charged to Deposit Account

Total number of pages including cover sheet, attachments and documents:

5. Name and address to whom correspondence concerning

Internal Address: ARIAD Gene Therapeutics, Inc.

document should be mailed:

Name:

Country: USA

David L. Berstein

Street Address: 26 Landsdowne Street

City: Cambridge State: MA

Documents to be recorded (including cover sheet) should be faxed to (571) 274-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, PO Box 1450, Alexandria, VA 22313-1450

> **PATENT** REEL: 019157 FRAME: 0429

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US Dept. of Commerce

Docket No.: 411G USC2 Customer No.: 50067

I hereby certify that this paper is being deposited with the United States Postal Service "First Class Mail" on the date indicated below and is addressed to the Mail Stop Assignment Recordation Services, Director of the USPTO, PO Box 1450, Alexandria, VA 22313-1450.

Date	4	6	07
Signed	5.		Cicleon

ASSIGNMENT

We, David L. Berstein of 115 Devonshire Street, Waban, MA 02468, , Leonard W. Rozamus of 4 Glenridge Drive, Bedford, MA 01730 , Yihan Wang of 45 Madison Avenue, Newton, MA 02460, and, Chester A. Metcalf, III of 70 Blake Street, Needham, MA 02492 in consideration of good and valuable consideration paid to us by ARIAD Gene Therapeutics, Inc., a corporation of the state of Delaware, having its principal place of business at 26 Landsdowne Street, Cambridge, MA 02139, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

ARIAD Gene Therapeutics, Inc.

Its successors and assigns, the entire interest for the United States of America and all foreign countries, including rights of priority under the international convention for the protection of industrial property in a certain invention relating to

Phosphorus-containing Compounds & Uses Thereof

Described in patent application serial no. 11/650,017 filed on 05 January 2007 in the United States Patent and Trademark Office, and in all letters patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And I agree, for myself and my executors and administrators, with said corporation and its successors and assigns, but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of letters patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such letters patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

PATENT REEL: 019157 FRAME: 0430

USSN 11/650,017 Assignment Page 2	
Witness my hand this day of	
The above named David L. Berstein executed this document in my presence, this 28th day of	
Witness my hand this day of	
The above named Leonard W. Rozamus executed this document in my presence, this	

PATENT REEL: 019157 FRAME: 0431

Sue Luceson
Witness name (please print)

USSN 11/650,017 Assignment Page 3	
Witness my hand this 4H day of	By: Yihan Wang
The above named Yihan Wang executed this	_
	Sur Cestison
	Witness signature
	6 - 1
	Witness name (please print)
	withess name (please print)

Witness my hand this 29 th day of January 2007.

By: Chester A. Metcalf, III

The above named Chester A. Metcalf, III executed this document in my presence, this 29th day of 2007. July Audi

Witness name (please print)

PATENT REEL: 019157 FRAME: 0432

411G USC2

Customer No.: 50067

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant

Berstein et al.

USSN

11/650,017

Filed

January 5, 2007

For

Phosphorus-containing Compounds and Uses Thereof

I hereby certify that this paper is being deposited with the United States Postal Service "First Class Mail" on the date indicated below and is addressed to Mail Stop Assignment Recordation Services, Commissioner for Patents, PO Box 1450, Alexandria, VA, 22313-1450.

Mail Stop Assignment Recordation Services Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Dear Sir/Madam:

Enclosed for filing in the above mentioned patent application please find the following:

- 1. Assignment Recordation Form Cover Sheet, 1 page
- 2. Copy of Assignment Recordation Form Cover Sheet, 1 page
- 3. Assignment, 3 pages
- Return receipt postcard

RECORDED: 04/10/2007

Respectfully submitted,

David L. Berstein, Reg. No. 31,235

ARIAD Gene Therapeutics, Inc.

Customer No.: 50067

PATENT REEL: 019157 FRAME: 0433