ATTORNEY DOCKET NO: PR60567		
Form PTO-1595	U.S. DEPARTMENT OF COMMERCE	
	Patent and Trademark Office	
RECORDATION FORM COVER SHEET		
PATENTS ONLY		
CERTIFICATION OF FACSIMILE TRANSMISSION  I hereby certify that this paper is being facsimile transmitted to the Patent and Trademark Office Assignment		
	06-5995 on April 2/, 2005 by	
Admin's name here: Elaine Martens		
Sign: Clience Martons		
Commissioner of Patents. Please record the attached origin		
Name of conveying party(ies)	2. Name and address of receiving party(ies)	
Таkashi KAWASUЛ	SHIONOGI & Co. Ltd.	
Noriyuki KUROSE	12-4, Sagisu 5-chome	
Hitoshi MURAL	Fukushima-ku	
Additional names of conveying party(ies) attached?	Osaka 553-0002 JAPAN	
Additional names of conveying party(les) attached:	JAIAIV	
[	Additional name(s) and addresses attached?0	
	[ ] yes [X] no	
Description of the interest conveyed:		
bescription of the interest conveyed.		
[X] Assignment, please record and return	[ ] Merger	
[ ] Security Agreement	[ ] Change of Name	
1 7 1	11, 2005; April 11, 2005 and April 11, 2005	
4. Application number(s) or patent number(s). Additional Sheets attached? Yes _X No		
A. Patent Application No.(s)	B. Patent No.(s)	
PCT/US2005/004085 filed February 10, 2005	·	
If this document is being filed together with a new application, the execution date of the application is		
5. Name and address of party to whom correspondence concerning documents should	6. Total number of applications and patents involved <u>1</u> .	
be mailed:	7. Total Fee (37 C.F.R. 3.41) <u>\$40.00</u>	
GlaxoSmithKline	<u> </u>	
Corporate Intellectual Property-MAI-B475	8. Please charge this fee to deposit account No. <u>07-1392</u> .	
Five Moore Drive P.O. Box 13398		
Research Triangle Park, NC 27709-3398	The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 or 1.17 which may be required by this paper, or	
	credit any overpayment, to our Deposit Account No. <u>07-1392</u> .	
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.		
$V_{-}$ $V_{-}$ $V_{-}$ $V_{-}$ $V_{-}$ $V_{-}$		
Karen L. PRUS (Reg 39.337) KOVLY L.	frus (em) April 2/2005	
Name of Person Signing   Signature	Date	
To	tal number of pages including cover sheet, attachments and document: 3	

PATENT REEL: 016129 FRAME: 0051

## **Assignment**

WHEREAS, I/we Takashi KAWASUJI, Noriyuki KUROSE and Hitoshi MURAI, all citizens of Japan and each residing in Osaka 553-0002 JAPAN, has/have invented or discovered certain improvements in HIV INTEGRASE INHIBITORS hereinafter referred to as said invention and improvements for which a priority application 60/543,670 was filed on February 11, 2004 in the United States Patent and Trademark Office and for which a PCT international application PCT/US2005/004085 was filed February 10, 2005 designating the United States of America and naming assignor as inventor, and in the United States only applicant/inventor.

WHEREAS, SHIONOGI & Co., Ltd, a corporation organized and existing under and by virtue of the laws of Japan and having its principal place of business at 12-4, Sagisu 5-chome, Fukushima-ku, Osaka 553-0002, JAPAN is desirous of acquiring the whole right, title and interest in and to said invention and improvements and said application, and in and to any Letters Patent to be obtained therefor, in the United States, its territories and possessions, and in and to any applications for said invention and improvements and any Letters Patent to be obtained therefor, in all countries other than the United States, its territories and possessions;

NOW, THEREFORE, to all whom it may concern, be it known that I/we, Takashi KAWASUJI,

Noriyuki KUROSE and Hitoshi MURAI for good and valuable consideration unto me/us moving, the receipt
whereof is hereby acknowledged, have sold, assigned and transferred, and by these presents do sell, assign and
transfer my/our whole right, title and interest in and to said invention and improvements to said SHIONOGI &

Co., Ltd, throughout the United States of America, its territories and possessions, and in and to said application
and any extensions, reissues, continuations, continuations-in-part, and any divisions thereof, and in and to any
and all Letters Patent of the United States of America;

AND, my/our whole right, title and interest in and to said invention and improvements to SHIONOGI & Co., Ltd, in all other countries throughout the world, and in and to any applications in said other countries, and continuations-in-part, patents of addition, revalidation patents, patents of importation, registrations, and any renewals, extensions and divisions thereof, and in and to any and all Letters Patent of said all other countries

PATENT REEL: 016129 FRAME: 0052

PR60567 Docket Number

which may be granted on said invention and improvements including any priority rights under the International Convention.

AND, I/we do hereby authorize and request the issue of any Letters Patent in the respective areas referred to, to said SHIONOGI & Co., Ltd, as assignee of my/our whole right, title and interest in and to the same for the sole use and behoof of the said assignees, their successors and assigns as their interests appear herein:

AND, I/we warrant that I/we have not knowingly conveyed to others any right in said invention.

improvements, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing said invention and improvements and that I/we have good right to assign the same to SHIONOGI & Co., Ltd.

AND, I/we the undersigned Takashi KAWASUJI, Noriyuki KUROSE and Hitoshi MURAI for the consideration aforesaid, do hereby agree that I/we or my/our executors or legal representatives, will provide information and make, execute and deliver any and all other instruments in writing, and any and all further acts, application papers, affidavits, assignments and other documents which may be necessary or desirable to more effectually secure to and vest in said SHIONOGI & Co., Ltd, their successors and assigns, the whole right, title and interest in and to the said invention and improvements, applications, Letters Patent, rights, title and interest hereby sold, assigned and conveyed, or intended so to be. This assignment should be deemed effective as of February 11, 2004.

IN WITNESS WHEREOF, I/we have hereunto set my/our hand(s) and affixed my/our seal(s) on the date(s) indicated below.

x Takash; kawasini	x April 11, 200]
Inventor: Takashi KAWASUJI	Date
x Noriyaki Murose Inventor: Noriyak KUROSE	x April 11, 20et
Inventor: Noriyuki KUROSE	Daté
x / ditak Murai	× April 11. 2005
Inventor: Hitoshi MURAI	Date <sup>/</sup>

PATENT RECORDED: 04/21/2005 REEL: 016129 FRAME: 0053