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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

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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 Takashi Kawasuji x April 11, 2005
Inventor: **Takashi KAWASUJI** Date

x Noriyuki Kurose x April 11, 2005
Inventor: **Noriyuki KUROSE** Date

x Hitoshi Murai x April 11, 2005
Inventor: **Hitoshi MURAI** Date