### PATENT ASSIGNMENT

#### SUBMISSION TYPE:
NEW ASSIGNMENT

#### NATURE OF CONVEYANCE:
ASSIGNMENT

### CONVEYING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
</tr>
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<tbody>
<tr>
<td>Michael J. Otto</td>
<td>06/18/2010</td>
</tr>
<tr>
<td>Junxing Shi</td>
<td>06/10/2010</td>
</tr>
<tr>
<td>Kyoichi A. Watanabe</td>
<td>06/09/2010</td>
</tr>
</tbody>
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### RECEIVING PARTY DATA

<table>
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<tr>
<th>Name: Pharmasset, Inc.</th>
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<tbody>
<tr>
<td>Street Address: 303-A College Road East</td>
</tr>
<tr>
<td>City: Princeton</td>
</tr>
<tr>
<td>State/Country: NEW JERSEY</td>
</tr>
<tr>
<td>Postal Code: 08540</td>
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</tbody>
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### PROPERTY NUMBERS Total: 1

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<tr>
<td>Patent Number</td>
<td>8114997</td>
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### CORRESPONDENCE DATA

Fax Number: 6505225575  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
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Address Line 4: Foster City, CALIFORNIA 94404

### ATTORNEY DOCKET NUMBER:
PH1093.PC3

### NAME OF SUBMITTER:
J. Elin Har tram, Reg. No. 43,663

Total Attachments: 1  
source=Assignment#page1.tif
ASSIGNMENT OF U.S. PATENT APPLICATION

WHEREAS, we, MICHAEL J. OTTO, residing at 28 Eastwood Drive, East Windsor, NJ 08520
JUNXING SHI, residing at 3086 Canter Way, Duluth, GA 30097, and KYOICHI A. WATANABE, residing at
5765 Redcoat Run, Stone Mountain, GA 30087 made certain new and useful inventions and improvements for
which we filed an application for Letters Patent of the United States on December 13, 2002, application no.
10/318,511, now U.S. Issued Patent No. 7,105,527, which is entitled N4-ACYLCYTOSINE NUCLEOSIDES
FOR TREATMENT OF VIRAL INFECTIONS.

AND WHEREAS, PHARMASSET, INC., a corporation organized and existing under and by virtue of the
laws of the State of Delaware, and having an office and place of business at 303-A College Road East, Princeton,
NJ 08540 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said
inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, in consideration of the sum of FIVE DOLLARS ($5.00), the receipt whereof is
hereby acknowledged, and for other good and valuable consideration, WE, by these presents do sell, assign and
transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial
possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent
which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries
and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

WE hereby authorize and request the Patent Office Officials in the United States and its territorial
possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said
ASSIGNEE as the assignee of OUR entire right, title and interest in and to the same, for the sole use and behoof of
said ASSIGNEE, its successor and assigns, to the full end of the term for which said Letters Patent may be granted,
as fully and entirely as the same would have been held by us had this Assignment and sale not been made.

Further, WE agree that WE will communicate to said ASSIGNEE or its representatives any facts known to
us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional,
continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and
all of said Letter Patent to be issued to said ASSIGNEE, its successors and assigns, to obtain and enforce proper
protection for said invention in the United States and its territorial possession and in any and all foreign countries.

The undersigned hereby grants the law firm of Merchant & Gould, P.C. of 3200 IDS Center, 80 South
Eighth Street, Minneapolis, Minnesota 55402-0903 the power to insert on this assignment any further identification,
including the application number and filing date, which may be necessary or desirable in order to comply with the
rules of the United States Patent and Trademark Office for recordation of this document.

Date: 6-18-10

(Signature of Inventor) MICHAEL J. OTTO

Date: 6-10-10

(Signature of Inventor) JUNXING SHI

Date: 06-09-10

(Signature of Inventor) KYOICHI A. WATANABE

Merchant & Gould, P.C.
ATTORNEYS AT LAW
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