

FORM PTO-1619A

Expires 06/30/99
OMB 0651-0027

A/D 581-60

10/257216

DT12 Rec'd PCT/PTO 10 OCT 2002

U.S. Department of Commerce
Patent and Trademark Office
PATENT

12-03-2002



F

102300009

HEET

PATENTS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

☒ New☐ Resubmission (Non-Recordation)

Document ID#

☐ Correction of PTO Error

Reel #

Frame #

☐ Corrective Document

Reel #

Frame #

Conveyance Type

☒ Assignment☐ Security Agreement☐ License☐ Change of Name☐ Merger☐ Other

U.S. Government

(For Use ONLY by U.S. Government Agencies)

☐ Departmental File☐ Secret File

Conveying Party(ies)

☒ Mark if additional names of conveying parties attachedExecution Date
Month Day Year

09/28/2002

Name (line 1) YOON, Sung-June

Name (line 2)

10-10-02

Second Party

Execution Date
Month Day Year

09/28/2002

Name (line 1) LEE, Sang-Wook

Name (line 2)

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1) DONG WHA PHARM. IND. CO., LTD.

Name (line 2)

Address (line 1) 5 Soonwha-dong

Address (line 2) Joong-gu

Address (line 3) Seoul 100-130

Republic of Korea

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

FOR OFFICE USE ONLY

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:

PATENT

REEL: 013531 FRAME: 0394

RECORDATION FORM COVER SHEET

CONTINUATION
PATENTS ONLY

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)

Enter additional Conveying Parties



Mark if additional names of conveying parties attached

Name (line 1) LEE, Jin-Soo

Execution Date
Month Day Year
09/28/2002

Name (line 2)

Name (line 1) KIM, Nam-Doo

Execution Date
Month Day Year
09/28/2002

Name (line 2)

Name (line 1) LEE, Geun-Hyung

Execution Date
Month Day Year
09/28/2002

Name (line 2)

Receiving Party



Mark if additional names of receiving parties attached

Name (line 1)



If document to be recorded
is an assignment and the
receiving party is not
domiciled in the United
States, an appointment
of a domestic
representative is attached.
(Designation must be a
separate document from
Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)



If document to be recorded
is an assignment and the
receiving party is not
domiciled in the United
States, an appointment
of a domestic
representative is attached.
(Designation must be a
separate document from
Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Application Number(s) or Patent Number(s)



Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)



Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) LEE, Hak-Dong

Execution Date
Month Day Year
09/28/2002

Name (line 2)

Name (line 1) KIM, Jong-Woo

Execution Date
Month Day Year
09/28/2002

Name (line 2)

Name (line 1) PARK, Sang-Jin

Execution Date
Month Day Year
09/28/2002

Name (line 2)

Receiving Party



Mark if additional names of receiving parties attached

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Application Number(s) or Patent Number(s)



Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY

10/257216
DT12 Rec'd PCT/PTO 10 OCT 2002
U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) PARK, Hee-Jeong

Execution Date
Month Day Year
09/28/2002

Name (line 2)

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

Correspondent Name and Address

Area Code and Telephone Number

973-621-0660

Name Sapna Gadhia

Address (line 1) ROBERTS & MERCANTI, L.L.P.

Address (line 2) P.O. Box 3156

Address (line 3) 105 Lock Street, Suite 203

Address (line 4) Newark, New Jersey 07103-0156

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

2

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year
09/28/2002

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT KR01/00613

PCT

PCT

PCT

PCT

PCT

Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$

40.00

Method of Payment:

Enclosed ☐

Deposit Account ☒

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

50-0217

Authorization to charge additional fees:

Yes ☒

No ☐

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. Charges to deposit account are authorized, as indicated herein.

Sapna Gadhia

Name of Person Signing

Signature

October 10, 2002

Date

**Assignment of Rights, Title and Interests in Invention
(Multiple inventors; single assignee)**

Docket No. 428.101D

This is an Assignment of the following rights, title and interest: (check all that apply):

- ☒ United States of America rights, title and interest in the invention
☐ Foreign rights, title and interest in the invention
☐ United States Patent Application Serial No. _____
Dated of Execution: _____ Date of Filing: _____
☐ United States Provisional Patent Application Serial No. _____
☐ United States Patent No(s). _____
☐ International (PCT) Patent Application Serial No. _____
☐ Other (specify) _____

TITLE:

6-METHYNICOTINAMIDE DERIVATIVES AS ANTIVIRAL AGENTS

INVENTORS (ASSIGNORS)

NAME	ADDRESS
YOON, Sung-June	1420-11 Silim 5-dong, Gwanak-gu, Seoul 151-015 Republic of Korea
LEE, Sang-Wook	#105-1601 Kumho Apt., 149-1 Bakdal-dong, Manan-gu, Anyang-si, Kyunggi-do 430-032, Republic of Korea
LEE, Jin-Soo	#304-605 Mugunghwa Apt., Hoggie-dong, Dongan-gu, Anyang-si, Kyunggi-do 431-080, Republic of Korea
KIM, Nam-Doo	#102-206 Hyundai 1-cha Apt., 628, Ongnyaon-dong, Yeonsu-gu, Inchon-si 406-050, Republic of Korea
LEE, Geun-Hyung	#707-298 Anyang 5-dong, Manan-gu, Anyang-si, Kyunggi-do 430-015, Republic of Korea
LEE, Hak-Dong	#102 DaeHeung Jutack, Anyang 6-dong, Manan-gu, Anyang-si, Kyunggi-do 430-016, Republic of Korea
KIM, Jong-Woo	305-85, Bisan 3-dong, Dongan-gu, Anyang-si, Kyunggi-do 431-053, Republic of Korea
PARK, Sang-Jin	#316 Kumho Apt., 44 Cheonho 1-dong, Gangdong-gu, Seoul 134-021, Republic of Korea
PARK, Hee-Jeong	68-79, Bakdal-dong, Manan-gu, Anyang-si, Kyunggi-do 430-030, Republic of Korea

ASSIGNEE

NAME	ADDRESS
DONG WHA PHARM. IND. CO., LTD.	5 Soonwha-dong, Joong-gu, Seoul 100-130 Republic of Korea

**Assignment of Rights, Title and Interests in Invention
(Multiple inventors; single assignee)**

Docket No. 428.1011

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

INVENTORS' SIGNATURES	
NAME	SIGNATURE/DATE
1. YOON, Sung-June	Sung-June 2002. 9. 28
2. LEE, Sang-Wook	Sang-Wook 2002. 9. 28
3. LEE, Jin-Soo	Lee Jin-Soo Sep. 28. 2002
4. KIM, Nam-Doo	Kim Nam Doo September 28. 2002
5. LEE, Geun-Hyung	Lee Geun-Hyung Sep. 28. 2002
6. LEE, Hak-Dong	LEE, Hak-Dong 9. 28
7. KIM, Jong-Woo	Kim Jong Wook 2002. 9. 28
8. PARK, Sang-Jin	Park Sang Jin 2002. 9. 28
9. PARK, Hee-Jeong	Park, Hee-Geong Sep. 28. 2002