### 506700198 06/07/2021

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JIYEON KIM	06/02/2021
YOUNGJIN KIM	06/02/2021
JEONGSEOK PARK	06/02/2021
JINHO PARK	06/02/2021
HYUN SEO	06/02/2021
SEONGHOON HYEONG	06/02/2021
KYUHO SONG	06/03/2021

#### **RECEIVING PARTY DATA**

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#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17311353

### **CORRESPONDENCE DATA**

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NAME OF SUBMITTER:	DONGHEE KANG
SIGNATURE:	/Donghee Kang/
DATE SIGNED:	06/07/2021

PATENT 506700198 REEL: 056449 FRAME: 0370

This document serves as an Oath/Declaration (37 CFR 1.63).

# **Total Attachments: 3**

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PATENT REEL: 056449 FRAME: 0371

Docket No.: 40051-1015 Only After Sept 16, 2012

#### ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

Whereas, We, the undersigned inventors hereinafter called assignors, have invented certain improvements described in the application identified below; and

Whereas, **HANWHA SOLUTIONS CORPORATION** having an address at **86**, Cheonggyecheon-ro, Jung-gu, Seoul **04541**, Republic of **Korea**, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor:

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, and all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 USC 119 and the right to sue for past damages, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we hereby agree that the assignee may apply for foreign Letters Patent on the invention and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

(Legalization not required for recording	g but	is prima facie evidence of execution under 35 USC 261)	
As the below named inventor, I hereby	decla	are that:	
This assignment with declaration is directed to:	Ø	The attached application, or	
		United States Application or PCT International Application Numberon	filed
The application is entitled:			

#### NOVEL LAUROLACTAM PREPARATION METHOD AND SYNTHESIS APPARATUS

The above identified application was made or was authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application for which this assignment with declaration is being submitted.

I am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

PATENT REEL: 056449 FRAME: 0372

NAME OF SOLE OR FIRST INVENTOR:	
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NAME OF FOURTH INVENTOR:  Jinho Given Name (first and middle [if any])	PARK Family Name or Surname
Jinho	N TO TOTAL
Jinho Given Name (first and middle [if any])	Family Name or Surname
Jinho Given Name (first and middle [if any]) Inventor's signature 出力に Residence: Republic of Korea	Family Name or Surname  Date 21.6.2
Jinho Given Name (first and middle [if any])  Inventor's signature 出版正  Residence: Republic of Korea  Mailing Address: 76, Gajeong-ro Yuseong-Gu, Daejeon 34128, Repub	Family Name or Surname  Date 21.6.2
Jinho Given Name (first and middle [if any])  Inventor's signature 出版是  Residence: Republic of Korea  Mailing Address: 76, Gajeong-ro Yuseong-Gu, Daejeon 34128, Repub  NAME OF FIFTH INVENTOR:  Hyun	Family Name or Surname  Date 1.6.2.  lic of Korea  SEO
Jinho Given Name (first and middle [if any])  Inventor's signature 出版正  Residence: Republic of Korea  Mailing Address: 76, Gajeong-ro Yuseong-Gu, Daejeon 34128, Repub  NAME OF FIFTH INVENTOR:  Hyun Given Name (first and middle [if any])	Family Name or Surname  Date 1.6.2.  lic of Korea
Jinho Given Name (first and middle [if any])  Inventor's signature 出版是  Residence: Republic of Korea  Mailing Address: 76, Gajeong-ro Yuseong-Gu, Daejeon 34128, Repub  NAME OF FIFTH INVENTOR:  Hyun	Family Name or Surname  Date 1.6.2.  lic of Korea  SEO
Jinho Given Name (first and middle [if any])  Inventor's signature 出版に  Residence: Republic of Korea  Mailing Address: 76, Gajeong-ro Yuseong-Gu, Daejeon 34128, Repub  NAME OF FIFTH INVENTOR:  Hyun Given Name (first and middle [if any])	Family Name or Surname  Date 1.6.2  lic of Korea  SEO Family Name or Surname
Jinho Given Name (first and middle [if any])  Inventor's signature 以其正  Residence: Republic of Korea  Mailing Address: 76, Gajeong-ro Yuseong-Gu, Daejeon 34128, Repub  NAME OF FIFTH INVENTOR:  Hyun Given Name (first and middle [if any])  Inventor's signature	Family Name or Surname   Date 1.6.2.   Date 31.6.2   SEO   Family Name or Surname   Date 2=34. もう
Jinho Given Name (first and middle [if any])  Inventor's signature 出版。  Residence: Republic of Korea  Mailing Address: 76, Gajeong-ro Yuseong-Gu, Daejeon 34128, Repub  NAME OF FIFTH INVENTOR:  Hyun Given Name (first and middle [if any])  Inventor's signature  Residence: Republic of Korea	Family Name or Surname   Date 1.6.2.   Date 31.6.2   SEO   Family Name or Surname   Date 2=34. もう
Jinho Given Name (first and middle [if any])  Inventor's signature  Half  Residence: Republic of Korea  Mailing Address: 76, Gajeong-ro Yuseong-Gu, Daejeon 34128, Republic NAME OF FIFTH INVENTOR:  Hyun Given Name (first and middle [if any])  Inventor's signature  Residence: Republic of Korea  Mailing Address: 76, Gajeong-ro Yuseong-Gu, Daejeon 34128, Republic of Korea	Family Name or Surname   Date 1.6.2.   Date 31.6.2   SEO   Family Name or Surname   Date 2=34. もう
Jinho Given Name (first and middle [if any])  Inventor's signature 出版。  Residence: Republic of Korea  Mailing Address: 76, Gajeong-ro Yuseong-Gu, Daejeon 34128, Repub NAME OF FIFTH INVENTOR:  Hyun Given Name (first and middle [if any])  Inventor's signature  Residence: Republic of Korea  Mailing Address: 76, Gajeong-ro Yuseong-Gu, Daejeon 34128, Repub NAME OF SIXTH INVENTOR:  Seonghoon	Date 1.6.2   Date 21.6.2   Date 20.4   One 20.4   On
Jinho Given Name (first and middle [if any])  Inventor's signature  Hill  Residence: Republic of Korea  Mailing Address: 76, Gajeong-ro Yuseong-Gu, Daejeon 34128, Repub  NAME OF FIFTH INVENTOR:  Hyun  Given Name (first and middle [if any])  Inventor's signature  Residence: Republic of Korea  Mailing Address: 76, Gajeong-ro Yuseong-Gu, Daejeon 34128, Repub  NAME OF SIXTH INVENTOR:  Seonghoon  Given Name (first and middle [if any])	Date 1.6.2   Date 21.6.2   Date 31.6.2   Date 31.6.2   Date 31.6.2   Date 32.4   Date 3

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PATENT REEL: 056449 FRAME: 0373

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PATENT REEL: 056449 FRAME: 0374

RECORDED: 06/07/2021