#### 508003635 07/11/2023

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
DOOYONG LIM	10/16/2019
SUNGYONG KIM	10/16/2019
JAEHO KIM	10/16/2019
SOODEOK MOON	10/16/2019
DAEYEOP PARK	10/16/2019
JANGWOONG BAE	10/16/2019
JUNHYUNG LEE	10/16/2019
EUNGI HEO	10/16/2019
JISOON LIM	11/13/2020

### **RECEIVING PARTY DATA**

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State/Country:	KOREA, REPUBLIC OF
Postal Code:	17084

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

Property Type	Number
Application Number:	18184637

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LEWIS ROCA ROTHGERBER CHRISTIE LLP **Correspondent Name:** 

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ATTORNEY DOCKET NUMBER: 232011/412299-03269 NAME OF SUBMITTER: **DEBRA THOMAS** 

**PATENT** REEL: 064214 FRAME: 0486 508003635

SIGNATURE: /Debra Thomas/	
DATE SIGNED:	07/11/2023
Total Attachments: 6	
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PATENT REEL: 064214 FRAME: 0487

# INVENTOR'S DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

PATENT

Title of Invention:

LARGE MODULE OF BATTERY

Docket No.: 16

164796

#### INVENTOR'S DECLARATION

As a	elow named inventor, I hereby declare that:
This	eclaration is directed to the attached application unless the following is checked:
	Inited States Application or PCT International Application Numberled on

The above-identified application was made or 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 above-identified application.

I have reviewed and understand the contents of the above-identified application, including the claims.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

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

#### ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned,

(1) Dooyong LIM, Sungyong KIM, Jaeho KIM, Soodeok MOON, Daeyeop PARK, Jangwoong BAE, Junhyung LEE, Jisoon LIM, and Eungi HEO

HEREBY SELL(S), ASSIGN(S) AND TRANSFER(S) TO

(2) SAMSUNG SDI CO., LTD.

having a place of business at

(3) 150-20 Gongse-ro, Giheung-gu, Yongin-si, Gyeonggi-do 17084, Republic of Korea (hereinafter called "ASSIGNEE") the entire right, title and interest in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled

(4) LARGE MODULE OF BATTERY

which application executed on even date herewith or was

1 of 3

# INVENTOR'S DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

Docket No.: 164796	s arresons som
(a) executed on (5a):; (b) filed on (5b):, Application No.:;	(LEWIS ROCA ROTHGERBER CHRISTIE LLP, P.O. Box 29001, Glendale, CA 91209- 9001) is hereby authorized to insert in (b) the specified data, when known.
including any and all United States Patents which may be granted on said application, and a substitutes, renewals or continuations of said applications for the applications for said improvements.	oplication and patents, and the right to all
It is hereby authorized and requested that the C Letters Patent, when granted, to said ASSIGNE designee.	
Upon said consideration, it is further agreed that expense of said ASSIGNEE, the undersigned w renewal, and reissue patent applications; executeverything possible which said ASSIGNEE shall maintaining patent protection as provided herein	ill execute all divisional, continuing, substitute, te all rightful other papers; and generally do I consider desirable for aiding in securing and
Dooyang LIM	2019.10.16
Legal Name of Inventor	Date
Signature	-
Sungyong KIM	2019.10.16
Legal Name of Inventor	Date
Signature	•
Jaeho KIM	2019.10.16
Legal Name of Inventor	Date .
Signature	

2 of 3

# INVENTOR'S DECLARATION AND ASSIGNMENT

FOR PATENT APPLICATION  Docket No.: 164796		
Soodeok MOON	2019. 10.16	
Legal Name of Inventor	Date	
Signature		
Signature		
Daeveop PARK	2019, 10, 16	
Legal Name of Inventor	Date	
Signatúre		
ion museum MAP	2019, 10.16	
Jangwoong BAE Legal Name of Inventor	Date	
UK 35g		
Signature		
Junhyung LEE	2019. 10.16	
Legal Name of Inventor	Dàte	
이 글 형		
Signature		
Jisoon LIM		
Legal Name of Inventor	Date	
Signature		
Eungi HEO	2019. 10.76	
Legal Name of Inventor	Date	
Signature		

3 of 3

Doc code: Oath

Document Description: Oath or declaration filed

PTO/AIA/02 (07-13)

Approved for use through 04/30/2017. OM8 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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# SUBSTITUTE STATEMENT IN LIEU OF AN OATH OR DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (35 U.S.C. 115(d) AND 37 CFR 1.64)

Title of Invention	BATTERY MODULE	
This stateme	ent is directed to:	
The att	ached application,	
OR		
United 8	States application or PCT international application numberfiled on	
LEGAL NA	ME of inventor to whom this substitute statement applies:	
	Name (first and middle (if any)) and Family Name or Surname)	
	on LIM	
Residence (e	except for a deceased or legally incapacitated inventor):	
<sub>city</sub> Yong	gìn-si, Gyeonggi-do state Country KR	
-	ss (except for a deceased or legally incapacitated inventor):	
c/o Sams	sung SDI Co., Ltd., 150-20 Gongse-ro, Giheung-gu	
<sub>city</sub> Yong	gin-si, Gyeonggi-do state 217084 country KR	
I believe the above-named inventor or joint inventor to be the original inventor or an original joint inventor of a claimed invention in the application.		
The above-io	dentified application was made or authorized to be made by me.	
I hereby acknowledge that any willful false statement made in this statement is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both,		
Relationship	p to the inventor to whom this substitute statement applies:	
Legal Representative (for deceased or legally incapacitated inventor only),		
Assignee,		
Person to whom the inventor is under an obligation to assign,		
Person who otherwise shows a sufficient proprietary interest in the matter (petition under 37 CFR 1.46 is required), or		
ിരി	int Inventor.	

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1458, Alexandria, VA 22313-1458,

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## SUBSTITUTE STATEMENT

	***************************************	
Circumstances permitting execution of this substitute statement:		
Inventor is deceased,		
Inventor is under legal incapacity,		
Inventor cannot be found or reached after diligent effort, or		
Inventor has refused to execute the oath or declaration under 37 CF	R 1.63,	
If there are joint inventors, please check the appropriate box below:		
An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equive or is currently submitted.	alent) naming the entire inventive entity has been	
OR COMP		
An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equiva Statement Supplemental Sheet (PTO/AIA/11 or equivalent) naming information is attached. See 37 CFR 1.64(b).		
WARNING:		
Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identify theft. Personal information such as social security numbers, bank account numbers, or credit card numbers other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO of support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, retitioners/applicants should consider reducting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is eferenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.		
ERSON EXECUTING THIS SUBSTITUTE STATEMENT:		
Jame: Taeweon HEO		
Signature: Tako-ero No		
PPLICANT NAME AND TITLE OF PERSON EXECUTING THIS SUBSTITUT	***************************************	
the applicant is a juristic entity, list the applicant name and the title of the sign	er.	
SAMSUNG SDI CO., LTD. Applicant Name:		
Fittle of Person Executing This Substitute Statement: Director		
the signer, whose title is supplied above, is authorized to act on behalf of the a		
Residence of the signer (unless provided in an application data sheet, PT	O/AIA/14 or equivalent):	
1,73	Country <b>KR</b>	
Mailing Address of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent)		
150-20 Gongse-ro, Giheung-gu		
<sub>city</sub> Yongin-si, Gyeonggi-do <sub>State</sub>	zip 17084 Country KR	
lote: Use an additional PTO/AIA/02 form for each inventor who is deceased, k	- · · · · · · · · · · · · · · · · · · ·	
ifter diligent effort, or has refused to execute the oath or declaration under 37 t	GFR 1.63.	

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## Privacy Act Statement

The Privacy Act of 1974 (P.L., 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

- 1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a), Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
- 2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
- A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the
- 4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
- 5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty,
- 6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
- A record from this system of records may be disclosed, as a routine use, to the Administrator. General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
- 8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application oursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
- A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PATENT

RECORDED: 07/11/2023 학기왕이 출착,백포,반출을 할 수 왕으며, 취급시 환 REEL: 064214 FRAME: 0493