

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7997387

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEE OF THE PATENT/APPLICATIONS previously recorded on Reel 063697 Frame 0030. Assignor(s) hereby confirms the ASSIGNMENT.
CONVEYING PARTY DATA	
Name	Execution Date
POSCO HOLDINGS INC.	05/12/2023
RESEARCH INSTITUTE OF INDUSTRIAL SCIENCE & TECHNOLOGY	05/15/2023
RECEIVING PARTY DATA	
Name:	POSCO HOLDINGS INC.
Street Address:	440, TEHERAN-CO, GANGNAM-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	06194
Name:	RESEARCH INSTITUTE OF INDUSTRIAL SCIENCE & TECHNOLOGY
Street Address:	67 CHEONGAM-RO, NAM-GU
City:	POHANG-SI, GYEONGSANGBUK-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	37673
Name:	POSCO FUTURE M CO., LTD.
Street Address:	110, SINHANG-RO, NAM-GU
City:	POHANG-SI, GYEONGSANGBUK-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	37918
PROPERTY NUMBERS Total: 8	
Property Type	Number
Application Number:	16468874
Application Number:	16473083
Application Number:	16772913
Application Number:	16957670
Application Number:	16770248
Application Number:	17280574
Application Number:	17415848
Application Number:	17415851

CORRESPONDENCE DATA**Fax Number:**

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 2027393000**Email:** patents@morganlewis.com, Sandra.Johnson@morganlewis.com**Correspondent Name:** MORGAN, LEWIS & BOCKIUS LLP**Address Line 1:** 1111 PENNSYLVANIA AVENUE NW**Address Line 4:** WASHINGTON, D.C. 20004

ATTORNEY DOCKET NUMBER:	123307-5000-US
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NAME OF SUBMITTER:	SANDRA M JOHNSON
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SIGNATURE:	/Sandra M. Johnson/
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DATE SIGNED:	06/08/2023
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Total Attachments: 6

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*Electronic Patent Assignment System***Confirmation Receipt**

Your assignment has been received by the USPTO.
The coversheet of the assignment is displayed below:

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>POSCO HOLDINGS INC.</td><td>05/12/2023</td></tr><tr><td>RESEARCH INSTITUTE OF INDUSTRIAL SCIENCE & TECHNOLOGY</td><td>05/15/2023</td></tr></tbody></table>	Name	Execution Date	POSCO HOLDINGS INC.	05/12/2023	RESEARCH INSTITUTE OF INDUSTRIAL SCIENCE & TECHNOLOGY	05/15/2023							
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 Address Line 1: 1111 PENNSYLVANIA AVENUE NW
 Address Line 4: WASHINGTON, D.C. 20004

ATTORNEY DOCKET NUMBER:	123307-5000-US
NAME OF SUBMITTER:	SANDRA M JOHNSON
Signature:	/Sandra M. Johnson/
Date:	05/19/2023

Total Attachments: 4
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RECEIPT INFORMATION

EPAS ID: PAT7962667
 Receipt Date: 05/19/2023

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Attorney Docket No.:

A S S I G N M E N T

WHEREAS **POSCO HOLDINGS INC.** and **RESEARCH INSTITUTE OF INDUSTRIAL SCIENCE & TECHNOLOGY** (Assignors), Korean companies having an address at 440, Teheran-Co, Gangnam-gu, Seoul, 06194, REPUBLIC OF KOREA and 67 Cheongam-ro, Nam-gu, Pohang-si, Gyeongsangbuk-do, 37673, REPUBLIC OF KOREA, respectively, are the owners of the entire right, title and interest of the following:

<u>U.S. Application No.</u>	<u>Filing Date</u>	<u>U.S. Patent No.</u>	<u>Issue Date</u>
16/468,874	06/12/2019		
16/473,083	06/24/2019	11,462,725	10/04/2022
16/772,913	06/15/2020		
16/957,670	06/24/2020		
16/770,248	06/05/2020		
17/280,574	03/26/2021		
17/415,848	06/18/2021		
17/415,851	06/18/2021		

by virtue of an Assignment recorded on September 28, 2022 at Reel 061561, Frame 0756.

AND WHEREAS, **POSCO FUTURE M CO., LTD.** (Assignee), a Korean company having an address of 110, Sinhang-ro, Nam-gu, Pohang-si, Gyeongsangbuk-do, 37918, REPUBLIC OF KOREA is desirous of acquiring from **POSCO HOLDINGS INC.** and **RESEARCH INSTITUTE OF INDUSTRIAL SCIENCE & TECHNOLOGY**, one third (1/3) of their interest in the entire right, title and interest in and to the aforesaid United States patents and patent applications, its legal representatives, successors, and assigns, thereby owning one third (1/3) of the entire right, title and interest in and to the aforesaid United States patents and patent applications;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, said **POSCO HOLDINGS INC.** and **RESEARCH INSTITUTE OF INDUSTRIAL SCIENCE & TECHNOLOGY**, do hereby sell, assign, transfer and set over unto the said **POSCO FUTURE M CO., LTD.**, one third (1/3) their legal representatives, successors, and assigns, one third (1/3) of their interest in the entire right, title and interest in and to aforesaid United States patents and patent applications.

UPON SAID CONSIDERATIONS, the undersigned hereby agrees to transfer one third (1/3) of said interest of the entire right title and interest of the above Patent, and to render all necessary assistance in executing any papers by the said ASSIGNEE, their successors, assigns

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Holdings and RIIST_Assignment to POSCO Future M Co.,

PATENT

and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby shared.

POSCO HOLDINGS INC. (Assignor)

Lee Sei-min

Officer:
Title: Head of Intellectual Department

Date: 2023.05.12

RESEARCH INSTITUTE OF INDUSTRIAL SCIENCE & TECHNOLOGY (Assignor)

Officer:
Title: _____
Date: _____



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Holdings and RJST_Assignment to POSCO Future M Co.,

PATENT

Attorney Docket No.:

ASSIGNMENT

WHEREAS **POSCO HOLDINGS INC. and RESEARCH INSTITUTE OF INDUSTRIAL SCIENCE & TECHNOLOGY** (Assignors), Korean companies having an address at 440, Teheran-Co, Gangnam-gu, Seoul, 06194, REPUBLIC OF KOREA and 67 Cheongam-ro, Nam-gu, Pohang-si, Gyeongsangbuk-do, 37673, REPUBLIC OF KOREA, respectively, are the owners of the entire right, title and interest of the following:

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and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby shared.

POSCO HOLDINGS INC. (Assignor)

.....
Officer:

Title:

Date:

RESEARCH INSTITUTE OF INDUSTRIAL SCIENCE & TECHNOLOGY (Assignor)

KANG, SANGHYUN *Kang*

Officer:

Title: Director

Date: May 15, 2023

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