

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7937288

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEE previously recorded on Reel 052513 Frame 0435. Assignor(s) hereby confirms the ASSIGNMENT.
RESUBMIT DOCUMENT ID:	507757339

CONVEYING PARTY DATA

Name	Execution Date
KYUNG-SU KIM	04/21/2020
YUKYUNG CHOI	04/22/2020
SUNG-JIN KIM	04/21/2020

RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRONICS CO., LTD.
Street Address:	129, SAMSUNG-RO, YEONGTONG-GU
City:	SUWON-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	16677
Name:	KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY
Street Address:	291, DAEHAK-RO, YUSEONG-GU
City:	DAEJEON
State/Country:	KOREA, REPUBLIC OF
Postal Code:	34141

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16759878

CORRESPONDENCE DATA

Fax Number: (703)816-4100

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: (703)816-4000

Email: ptomail@nixonvan.com

Correspondent Name: NIXON & VANDERHYE, P.C.

Address Line 1: 901 N. GLEBE ROAD

Address Line 2: 11TH FLOOR

Address Line 4: ARLINGTON, VIRGINIA 22203

ATTORNEY DOCKET NUMBER:	MJS-2834-412
NAME OF SUBMITTER:	MICHAEL J. SHEA
SIGNATURE:	/Michael J. Shea/
DATE SIGNED:	05/04/2023
Total Attachments: 6 source=2834-412_DECLARATION_ASSIGNMENT#page1.tif source=2834-412_DECLARATION_ASSIGNMENT#page2.tif source=2834-412_DECLARATION_ASSIGNMENT#page3.tif source=2834-412_DECLARATION_ASSIGNMENT#page4.tif source=2834-412 CoverSheet-2020-04-28 #page1.tif source=2834-412 CoverSheet-2023-02-18#page1.tif	

Document Description: Oath or declaration filed

Attorney Docket Number	MJS-2834-412
First Named Inventor	KIM

INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET (37 CFR 1.76)

NEURAL NETWORK TRAINING METHOD AND DEVICE

(Title of the Application)

As a below named inventor, I hereby declare that:

This declaration is directed to:

☐ The attached application,

OR

☒ United States Application Number or PCT International application number PCT/KR2017/013043filed on 2017-11-16

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

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

I hereby 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.

WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention in the application identified above.

WHEREAS, Samsung Electronics Co., Ltd. and Korea Advanced Institute of Science and Technology (hereinafter ASSIGNEES), a corporation having an office and place of business at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea and an institute having an office at 291, Daehak-ro, Yuseong-gu, Daejeon, 34141, Republic of Korea, respectively, are desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEES, their successors, assigns, and legal representatives, ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEES, for their interest as ASSIGNEES, their successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEES' attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEES and will continue to represent only ASSIGNEES with respect to this invention;

ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEES, their successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention;

ASSIGNOR hereby agrees to execute any papers by ASSIGNEES, their successors, assigns, and legal representatives, deemed essential to ASSIGNEES' full protection and title in and to the invention hereby transferred; and

ASSIGNOR hereby agrees, upon request of ASSIGNEES, and without further remuneration, to execute any and all papers desired by ASSIGNEES, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEES.

ASSIGNOR hereby authorizes and requests ASSIGNEES' attorney(s), Nixon & Vanderhye PC, of Customer Number 130936, to insert here in parentheses () the filing date and application number of said application when known.

AGREED and executed as noted below:

LEGAL NAME OF SOLE OR FIRST INVENTOR:

(E.g., Given Name (first and middle (if any)) and Family Name or Surname)

Kyung-su

KIM

Inventor's Signature:

Kyung-su Kim

Date:

04.21.2020

[2] Additional inventor(s) named on the supplemental sheet(s)

Note: PTO Rules state "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in [37 CFR] §1.56

SUPPLEMENTAL SHEET FOR DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet	
(Page 2 of 2)			
Legal Name of Additional Joint Inventor, if any:			
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)			
Yukyung		CHOI	
Inventor's Signature:		Date:	
Legal Name of Additional Joint Inventor, if any:			
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)			
Sung-jin		KIM	
Inventor's Signature: <i>Sungjin Kim</i>		Date: <i>04-21-2020</i>	

Document Description: Oath or declaration filed

Attorney Docket Number	MJS-2834-412
First Named Inventor	KIM

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WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention in the application identified above.

WHEREAS, **Samsung Electronics Co., Ltd.** and **Korea Advanced Institute of Science and Technology** (hereinafter ASSIGNEES), a corporation having an office and place of business at **129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea** and an institute having an office at **291, Daehak-ro, Yuseong-gu, Daejeon, 34141, Republic of Korea**, respectively, are desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEES, their successors, assigns, and legal representatives, ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEES, for their interest as ASSIGNEES, their successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEES' attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEES and will continue to represent only ASSIGNEES with respect to this invention;

ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEES, their successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention;

ASSIGNOR hereby agrees to execute any papers by ASSIGNEES, their successors, assigns, and legal representatives, deemed essential to ASSIGNEES' full protection and title in and to the invention hereby transferred; and

ASSIGNOR hereby agrees, upon request of ASSIGNEES, and without further remuneration, to execute any and all papers desired by ASSIGNEES, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEES.

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AGREED and executed as noted below:**LEGAL NAME OF SOLE OR FIRST INVENTOR:**

(E.g., Given Name (first and middle (if any)) and Family Name or Surname)

Kyung-su

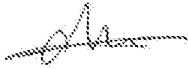
KIM

Inventor's Signature:

Date:

[2] Additional Inventor(s) named on the supplemental sheet(s)

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SUPPLEMENTAL SHEET FOR DECLARATION	ADDITIONAL INVENTOR(S) Supplemental Sheet (Page 2 of 2)	
Legal Name of Additional Joint Inventor, if any:		
(E.g., Given Name (first and middle (if any)) and Family Name or Surname) Yukyung CHOI		
Inventor's Signature: 	Date: 22 / 04 / 20	
Legal Name of Additional Joint Inventor, if any:		
(E.g., Given Name (first and middle (if any)) and Family Name or Surname) Sung-jin KIM		
Inventor's Signature:	Date:	

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6081701

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KYUNG-SU KIM	04/21/2020
YUKYUNG CHOI	04/22/2020
SUNG-JIN KIM	04/21/2020
RECEIVING PARTY DATA	
Name:	SAMSUNG ELECTRONICS CO., LTD.
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Property Type	Number
Application Number:	16759878
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Phone:	703-816-4000
Email:	ptomail@nixonvan.com
Correspondent Name:	NIXON & VANDERHYE PC / SAMSUNG
Address Line 1:	901 N. GLEBE RD., 11TH FLOOR
Address Line 4:	ARLINGTON, VIRGINIA 22203
ATTORNEY DOCKET NUMBER:	MJS-2834-412
NAME OF SUBMITTER:	MICHAEL J. SHEA
SIGNATURE:	/Michael J. Shea/
DATE SIGNED:	04/28/2020
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 4	
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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT7804473

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the TO ADD ASSIGNEE KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY previously recorded on Reel 052513 Frame 0435. Assignor(s) hereby confirms the SAMSUNG ELECTRONICS CO., LTD..

CONVEYING PARTY DATA

Name	Execution Date
KYUNG-SU KIM	04/21/2020
YUKYUNG CHOI	04/22/2020
SUNG-JIN KIM	04/21/2020

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Address Line 2: 11TH FLOOR

Address Line 4: ARLINGTON, VIRGINIA 22203