PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WONSEOK LEE	06/02/2021
JI-HOON SUH	04/30/2021
MINKYU JE	04/30/2021
SANG JOON KIM	06/04/2021

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Postal Code:	16677
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17355375

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	MARK E. WALLERSON

SIGNATURE:	/Mark E. Wallerson/
DATE SIGNED:	06/23/2021

Total Attachments: 3
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COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

DECLARATION

As a below-named inventor, I hereby declare that this declaration is directed to the application attached hereto, or to United States Application Number or PCT International Application Number _____

filed on _____ (if applicable), entitled:

IMPEDANCE MEASURING APPARATUS

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 above-identified application.

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

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

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information that became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

ASSIGNMENT

For valuable consideration, I, as a below-named assignor, hereby assign to:

Samsung Electronics Co., Ltd.
129, Samsung-ro, Yeongtong-gu
Suwon-si, Gyeonggi-do 16677
Republic of Korea

Korea Advanced Institute of Science and Technology
291, Daehak-ro, Yuseong-gu
Daejeon, 34141
Republic of Korea

and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title, and interest throughout the world in the inventions and improvements that are the subject of the application identified in the above declaration, which is United States Application Number or PCT International Application Number

_____17/355,375_____ filed on ___June 23, 2021____.

I authorize and request the attorneys appointed in the above-identified application to hereafter complete this Assignment by inserting above the application number and the filing date of the above-identified application when known, and to correct any typographical errors that may be discovered in this Assignment.

This Assignment includes the above-identified application, any and all United States and foreign patents, utility models, and design registrations granted for any of the inventions and improvements that are the subject of the above-identified application, and the right to claim priority based on the filing date of the above-identified application under the International Convention for the Protection of Industrial Property, the Patent Cooperation

PATENT
REEL: 056632 FRAME: 0252

COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations, like rights of exclusion, and inventors' certificates for any of the inventions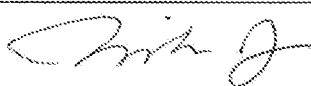 and improvements that are the subject of the above-identified application; and I agree for myself and my heirs, legal representatives, and assigns without further compensation to perform such lawful acts and to sign such further applications, Assignments, preliminary statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

In witness whereof, I, as a below-named inventor and assignor, intending to be legally bound, have hereunto affixed my signature on the date indicated below next to my signature.

Inventor's Legal Name	Wonseok LEE		
Inventor's Signature		Date	
Residence (City, Country)	Suwon-si, Republic of Korea		
Mailing Address	Samsung Advanced Institute of Technology, 130 Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16678, Republic of Korea		

Inventor's Legal Name	Ji-Hoon SUH		
Inventor's Signature		Date	Apr. 30, 2021
Residence (City, Country)	Daejeon, Republic of Korea		
Mailing Address	291, Daehak-ro, Yuseong-gu, Daejeon, 34141, Republic of Korea		

Inventor's Legal Name	Minkyu JE		
Inventor's Signature		Date	Apr. 30, 2021
Residence (City, Country)	Daejeon, Republic of Korea		
Mailing Address	291, Daehak-ro, Yuseong-gu, Daejeon, 34141, Republic of Korea		

Inventor's Legal Name	Sang Joon KIM		
Inventor's Signature		Date	
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Mailing Address	Samsung Advanced Institute of Technology, 130 Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16678, Republic of Korea		

**PATENT
REEL: 056632 FRAME: 0253**

COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)

Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations, like rights of exclusion, and inventors' certificates for any of the inventions and improvements that are the subject of the above-identified application; and I agree for myself and my heirs, legal representatives, and assigns without further compensation to perform such lawful acts and to sign such further applications, Assignments, preliminary statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

In witness whereof, I, as a below-named inventor and assignor, intending to be legally bound, have hereunto affixed my signature on the date indicated below next to my signature.

Inventor's Legal Name	Wonseok LEE		
Inventor's Signature	Wonseok Lee	Date	2021 6 1 2
Residence (City, Country)	Suwon-si, Republic of Korea		
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Inventor's Legal Name	Ji-Hoon SUH		
Inventor's Signature		Date	
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Inventor's Legal Name	Minkyu JE		
Inventor's Signature		Date	
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Inventor's Legal Name	Sang Joon KIM		
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Page 2 of 2

RECORDED: 06/23/2021

**PATENT
REEL: 056632 FRAME: 0254**