

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SHINYA ONO	05/18/2023
SUHWAN MOON	05/20/2023
DONG-GWANG HA	05/18/2023
JIAXI HU	05/19/2023
HAO-LIN CHIU	05/22/2023
KWANG SOON PARK	05/18/2023
HASSAN EDREES	05/18/2023
WEN-I HSIEH	05/19/2023
JIUN-JYE CHANG	05/18/2023
CHIN-WEI LIN	05/19/2023
KYUNG WOOK KIM	05/18/2023
RECEIVING PARTY DATA	
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City:	CUPERTINO
State/Country:	CALIFORNIA
Postal Code:	95014
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	18323659
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ATTORNEY DOCKET NUMBER:	P57637US1

NAME OF SUBMITTER:	CONNER MERUTKA
SIGNATURE:	/conner merutka/
DATE SIGNED:	05/25/2023
Total Attachments: 2 source=P57637US1_Assignment#page1.tif source=P57637US1_Assignment#page2.tif	

ASSIGNMENT BY INVENTORS

WHEREAS, we, **Shinya Ono, Suhwan Moon, Dong-Gwang Ha, Jiayi Hu, Hao-Lin Chiu, Kwang Soon Park, Hassan Edrees, Wen-I Hsieh, Jiun-Jye Chang, Chin-Wei Lin, Kyung Wook Kim** (hereinafter referred to as "Assignors") have invented certain new and useful improvements in "**Data Line Shielding for Electronic Device Displays With Touch Sensors**", shown and described in U.S. Patent Application No. 18/323,659 filed May 25, 2023 . (the "Application") and;

WHEREAS, **Apple Inc.**, a California corporation, having its principal place of business at One Apple Park Way, Cupertino, CA 95014, U.S.A (hereinafter referred to as Assignee), is desirous of acquiring Assignors entire right, title and interest in and to said inventions, Application and any patents which may issue thereon;

NOW, THEREFORE, be it known by all whom it may concern that for good and valuable consideration, the receipt of which is hereby acknowledged, Assignors agree to assign and hereby assign to Assignee for the territory of the United States of America and the entire world Assignors entire right, title and interest in and to said inventions and Application, and in and to any and all patent applications in the United States and all countries foreign to the United States which may claim priority to said Application or which may be directed to said inventions, said patent applications including without limitation any and all provisionals, non-provisionals, divisionals, continuations, continuations-in-part, utility models, industrial models, and designs, and in and to any and all patents in the United States and all countries foreign to the United States which may be granted therefore and thereon, and in and to any reissues, reexaminations, and extensions of said patents. Assignors hereby transfer and convey to Assignee any right to recover for past and future infringement of the patents assigned herein.

Assignors HEREBY grant the attorneys at **Treyz Law Group** the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

May 18, 2023

/ Shinya Ono
Shinya Ono (May 18, 2023 01:02:21 PM) /
Shinya Ono

May 20, 2023

/ Suhwan Moon
Suhwan Moon (May 20, 2023 01:13:01 PM) /
Suhwan Moon

May 18, 2023	<i>/Dong-Gwang Ha</i> <small>Dong-Gwang Ha (May 20, 2023 08:05 PGT)</small>	/
	Dong-Gwang Ha	
May 19, 2023	<i>/Jiayi Hu</i> <small>Jiayi Hu (May 19, 2023 10:08 PGT)</small>	/
	Jiayi Hu	
May 22, 2023	<i>/Hao Lin Chiu</i> <small>Hao Lin Chiu (May 22, 2023 08:41 PGT)</small>	/
	Hao-Lin Chiu	
May 18, 2023	<i>/Kwang Soon Park</i> <small>Kwang Soon Park (May 18, 2023 06:21 PGT)</small>	/
	Kwang Soon Park	
May 18, 2023	<i>/Hassan Edrees</i> <small>Hassan Edrees (May 18, 2023 08:53 PGT)</small>	/
	Hassan Edrees	
May 19, 2023	<i>/Wen-I Hsieh</i> <small>Wen-I Hsieh (May 19, 2023 12:04 PGT)</small>	/
	Wen-I Hsieh	
May 18, 2023	<i>/Jiun-Jye Chang</i> <small>Jiun-Jye Chang (May 18, 2023 11:11 PGT)</small>	/
	Jiun-Jye Chang	
May 19, 2023	<i>/Chin-Wei Lin</i> <small>Chin-Wei Lin (May 19, 2023 09:55 PGT)</small>	/
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May 18, 2023	<i>/Kyung Wook Kim</i> <small>Kyung Wook Kim (May 18, 2023 09:26 PGT)</small>	/
	Kyung Wook Kim	