PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JUNGSIK PARK	02/06/2020
INKUK YUN	02/06/2020
SUNGHYUP LEE	02/06/2020
HEESEOK JUNG	02/06/2020
WOONGEUN KWAK	02/06/2020

RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRONICS CO., LTD.
Street Address:	129 SAMSUNG-RO, YEONGTONG-GU, SUWON-SI
City:	GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16789575

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	5004-1-823
NAME OF SUBMITTER:	STEVE CHA
SIGNATURE:	/Steve Cha/
DATE SIGNED:	02/13/2020

Total Attachments: 3

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> **PATENT** REEL: 051808 FRAME: 0586 505914801

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PATENT REEL: 051808 FRAME: 0587

Docket No.: 5004-1-823 Client Ref No.: YPF201909-0061

Assignment of Invention and Patent Application

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for good and valuable consideration,

1) Jungsik PARK	of	129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 16677 Republic of Korea
2) Inkuk YUN	of	129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 16677 Republic of Korea
3) Sunghyup LEE	of	129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 16677 Republic of Korea
4) Heeseok JUNG	of	129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 16677 Republic of Korea
5) Woongeun KWAF	K of	129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 16677 Republic of Korea

(hereinafter Assignor) hereby sells, assigns, transfers, and sets over unto:

SAMSUNG ELECTRONICS CO., LTD. of 129 SAMSUNG-RO, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO, 16677 REPUBLIC OF KOREA

(hereinafter Assignee) the entire right, title and interest for the United States Of America and all other countries as defined in 35 U.S.C. Section 261, in and to the invention entitled as:

STACK STRUCTURE OF PRINTED CIRCUIT BOARDS USING INTERPOSER AND ELECTRONIC DEVICE INCLUDING THE SAME

invented by Assignor; the application for United States patent and all other countries, invented by Assignor; any patent or reissues of any patent that may be granted thereon; and any applications which are continuations, continuation-in-part, substitutes, or divisions of said application. Assignor authorizes Assignee to enter the date of signature and/or Serial Number and Filing Date in the above. Assignor also authorizes and requests the Commissioner of Patents and Trademarks to issue any resulting patent(s) to the said Assignee, for its interests as Assignee, its successors, assigns and legal representatives. The undersigned agrees that the attorney of record in said application shall hereafter act on behalf of said Assignee; and Assignor further conveys to Assignee all priority rights resulting from the above-identified

1

application for United States Patent and all other countries. **Assignor** agrees to execute all papers, give any required testimony and perform other lawful acts, as deemed essential by **Assignee** to perfect **Assignee**'s interest in any resulting patent of the United States and all other countries, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and **Assignee**'s interest therein.

SIGNED ON THE DATES(S) INDICATED BESIDE MY/OUR SIGNATURE(S):

Name of First Inventor: Jungsik PARK	
	Signature of inventor Dated: 1010 02.06
	WITNESSED:
Name of Second Inventor: Inkuk YUN	Inkuk YUN
	Signature of inventor Dated: 20.02.06
	WITNESSED: Limit cho
Name of Third Inventor: Sunghyup LEE	Lee Sung Hyup Signature of inventor
	Dated: 2020 02 06
	WITNESSED: Empt cho
Name of Fourth Inventor: Heeseok JUNG	Heescot Jung Signature of inventor
	Dated: 3020 - 02.06
	WITNESSED: Employ CHO

Name of Fifth Inventor: Woongeun KWAK	enuk
	Signature of inventor
	Dated: 3000. 3.6

WITNESSED: Emptiche

3

RECORDED: 02/13/2020

PATENT REEL: 051808 FRAME: 0590