

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5865219

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NIRMAL PANDEY	12/11/2019
TARANPREET KAUR	12/11/2019
NIRAV PATEL	12/11/2019
SACHIN PAPNEJA	12/11/2019
BRAJ RAJ SINGH	12/11/2019
RAVINDRA JAIN	12/11/2019
DALBIR SINGH DHILON	12/11/2019
MANISH JINDAL	12/11/2019
NITIN BARTHWAL	12/11/2019
PANKAJ KODAN	12/11/2019
OM PRAKASH VERMA	12/11/2019
AMIOY KUMAR	12/11/2019

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:	DELHI TECHNOLOGICAL UNIVERSITY (DTU)
Street Address:	BAWANA ROAD, SHAHBAD, DAULATPUR
City:	DELHI
State/Country:	INDIA
Postal Code:	110042

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16622124

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

PATENT

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 202-293-0804
Email: usdocketing@jeffersonip.com
Correspondent Name: JEFFERSON IP LAW, LLP
Address Line 1: 1130 CONNECTICUT AVE., NW, SUITE 420
Address Line 4: WASHINGTON, D.C. 20036

ATTORNEY DOCKET NUMBER:	0502-0555
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NAME OF SUBMITTER:	SIMON G. BOOTH
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SIGNATURE:	/Simon G. BOOTH/
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DATE SIGNED:	12/12/2019
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Total Attachments: 7

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source=0502-0555AssignmentAsFiled#page5.tif
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RECORDATION FORM COVER SHEET
PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

1) Nirmal PANDEY; 2) Taranpreet KAUR; 3) Nirav PATEL;
4) Sachin PAPNEJA; 5) Braj Raj SINGH; 6) Ravindra JAIN;
7) Dalbir Singh DHILON; 8) Manish JINDAL; 9) Nitin BARTHWAL;
10) Pankaj KODAN;

Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) December 11, 2019

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: Samsung Electronics Co., Ltd.

Internal Address: _____

Street Address: 129, Samsung-ro, Yeongtong-gu

City: Suwon-si, Gyeonggi-do

State: _____

Country: Republic of Korea Zip: 16677

Additional name(s) & address(es) attached? ☒ Yes ☐ No

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

16/622,124

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Jefferson IP Law, LLP

Internal Address: Simon G. Booth

Street Address: 1130 Connecticut Ave., NW, Suite 420

City: Washington

State: DC Zip: 20036

Phone Number: (202) 293-0804

Fax Number: (202) 403-3587

Email Address: usdocketing@jeffersonip.com

6. Total number of applications and patents involved: One

- 7. Total fee (37 CFR 1.21(h) & 3.41)** \$ _____
☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number _____

Authorized User Name _____

9. Signature:

/Simon G. BOOTH/ Reg. No. 58,582

Signature

December 12, 2019

Date

Simon G. Booth

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

7

Additional name of conveying parties:

Name: 11) Om Prakash VERMA
12) Amioy KUMAR

Additional name and address of receiving parties:

Name: DELHI TECHNOLOGICAL UNIVERSITY (DTU)

Address: Bawana Road, Shahbad, Daulatpur

Delhi, India 110042

Assignment

WHEREAS, the following inventors, namely 1) Nirmal PANDEY, 2) Taranpreet KAUR, 3) Nirav PATEL, 4) Sachin PAPNEJA, 5) Braj Raj SINGH, 6) Ravindra JAIN, 7) Dalbir Singh DHILON, 8) Manish JINDAL, 9) Nitin BARTHWAL, 10) Pankaj KODAN, 11) Om Prakash VERMA, and 12) Amiroy KUMAR (hereinafter called "Assignors"), having made or discovered certain new, useful and non-obvious improvements in an invention having a working title of:

METHOD AND APPARATUS FOR POWER MANAGEMENT OF ELECTRONIC DEVICE,

for which a United States Patent Application is being filed concurrently herewith or, if not being concurrently filed, was filed on December 12, 2019, and assigned Serial No. 16/622,124; and,

WHEREAS, Samsung Electronics Co., Ltd., a corporation duly organized under the laws of the Republic of Korea, located and doing business at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, 16677 and **Delhi Technological University**, a corporation duly organized under the laws of the India, located and doing business at Bawana Road, Shahbad, Daulatpur, Delhi, India, 110042 (hereinafter called "Assignees"), are desirous of acquiring the entire right, title and interest therein;

NOW, THEREFORE, BE IT KNOWN that for and in good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors do hereby sell, assign and transfer unto said Assignees the entire and exclusive worldwide right, title and interest in and to all said inventions and discoveries disclosed in said application, and in and to said application, any and all substitutions, divisions, provisionals, conversions of provisionals and continuations thereof, and in and to all Letters Patent, United States and all other foreign countries, that may be granted for said inventions and discoveries, and in and to all extensions, renewals and reissues thereof; and the right to file any other foreign country application and/or claim priority under the provisions of any international treaty or convention arising from this application or any divisional, continuing, substitute or reissue application therefrom. The aforesaid assignment includes the right in and to all income, royalties, damages and payments, now or hereafter due or payable with respect to any Letters Patent which may be granted, and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned under this Assignment, as fully and entirely as the same would have been held and enjoyed by Assignors if this sale, assignment and transfer had not been made.

Assignors covenant and agree, without further compensation to said Assignors but at Assignees' expense:

- a. to execute:
 - i. all papers to be used in connection with this application and any divisional, continuing, substitute or reissue application thereof, as the Assignees may deem necessary or expedient, and

- ii. all papers in connection with any interference, litigation, mediation, arbitration or other proceeding relating to this application or any divisional, continuing, substitute or reissue application thereof, as may be necessary or expedient;
- b. to cooperate with the Assignees in every way possible in obtaining evidence and going forward in any interference, litigation, mediation, arbitration or other proceeding relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof;
- c. to communicate to the Assignees any facts relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof, including evidence for any interference, litigation, mediation, arbitration or other proceeding relating to said invention, whenever requested;
- d. to testify in any interference, litigation, mediation, arbitration or other proceeding relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof whenever requested; and
- e. to perform all other affirmative acts which may be necessary or desirable to secure full and complete protection of the inventions and discoveries or that may be necessary or desirable to vest in Assignees the complete title to the inventions and discoveries and Letters Patent hereby conveyed and to enable Assignees to record title.

Assignors hereby authorize and request the United States Patent and Trademark Office or any other issuing authority to issue any and all Letters Patent that may be granted upon this invention and/or this application or any divisional, continuing, substitute or reissue application thereof to the Assignees, its legal representatives, successors and assigns.

Assignors each hereby represents, covenants and warrants that he or she has the full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that no other agreement has been or will be executed in conflict herewith.

The provisions of this Assignment are binding upon Assignors' heirs, legal representatives and/or administrators and assigns.

Assignors hereby grant to the law firm of Jefferson IP Law, LLP of Washington, DC and its attorneys and agents as associated with **Customer No. 68103** the authority and power to insert on this instrument any further identification which may be necessary or desirable for purposes of recordation in the United States Patent and Trademark Office or a Patent Office of any foreign country.

Signature of Inventor:

Nirmal

Nirmal PANDEY

December 11, 2019

Date

Signature of Inventor:

Taranpreet

Taranpreet KAUR

December 11, 2019

Date

Signature of Inventor:

Nirav

Nirav PATEL

December 11, 2019

Date

Signature of Inventor:

Sachin

Sachin PAPNEJA

December 11, 2019

Date

Signature of Inventor:

Braj Raj

Braj Raj SINGH

December 11, 2019

Date

Signature of Inventor:

Ravindra

Ravindra JAIN

December 11, 2019

Date

Signature of Inventor:

Dalbir Singh

Dalbir Singh DHILLON

December 11, 2019

Date

Signature of Inventor:

Manish

Manish JINDAL

December 11, 2019

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Signature of Inventor:

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Nitin BARTHWAL

December 11, 2019

Date

Signature of Inventor:

DOCKET NO.: 0502-0555
CLIENT REF.: SH-56065-US-DMC
SAMSUNG REF.: WI-201703-046-1-US0

Pankaj
Pankaj KODAN

December 11, 2019
Date

Signature of Inventor:

Om Prakash
Om Prakash VERMA

December 11, 2019
Date

Signature of Inventor:

Amioy
Amioy KUMAR

December 11, 2019
Date