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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5874158

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HIROHIDE KOMIYAMA	12/17/2019
JUN KAMINAGA	12/16/2019
KENJI WATAMURA	12/18/2019

RECEIVING PARTY DATA

Name:	LENOVO (SINGAPORE) PTE. LTD.
Street Address:	151 LORONG CHUAN #02-01
Internal Address:	NEW TECH PARK
City:	SINGAPORE
State/Country:	SINGAPORE
Postal Code:	556741

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16718609

CORRESPONDENCE DATA

Fax Number: (949)870-3311

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

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SHIMOKAJI/LENOVO **Correspondent Name:** 8911 RESEARCH DRIVE Address Line 1: Address Line 4: **IRVINE, CALIFORNIA 92618**

ATTORNEY DOCKET NUMBER:	JP920190066(306-0256)
NAME OF SUBMITTER:	MICHAEL SHIMOKAJI
SIGNATURE:	/MICHAEL SHIMOKAJI/
DATE SIGNED:	12/18/2019

Total Attachments: 4

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PATENT REEL: 051318 FRAME: 0134

ASSIGNMENT

WHEREAS, the undersigned inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") has/have invented:

ELECTRONIC COMPONENT, ELECTRONIC DEVICE, AND ELECTRONIC SUBSTRATE

(ner	einatter "the invention") for w	nich application for Letters Patent of the United States:
[X]	has been executed on ev	ven date herewith;
	was executed on	
	was filed on	and assigned U.S. Application Serial No.
	AND WHEREAS, LENO	VO (SINGAPORE) PTE. LTD., a Singapore corporation having a place of
busi	ness at 151 Lorong Chuan, #	02-01 New Tech Park, Singapore 556741, (hereinafter "ASSIGNEE"), and
succ	essors, assigns, and legal r	epresentatives, is desirous of acquiring the entire right, title, and interest
there	ain;	
	AND MURDEAD - "F.	and andication? an enforced to become about moon any provinced

AND WHEREAS, a "formal application," as referred to herein, shall mean any provisional, nonprovisional, continuation, continuation in part, continued prosecution, substitute, renewal, extension, divisional, reissue, reexamination, foreign, Patent Cooperation Treaty (PCT) or other patent application, inventor's certificate, utility model, or like document;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in and to the aforesaid application, to the invention as described in the aforesaid application, and to any formal application which may be filed based in whole or in part on the aforesaid application, in the United States and all foreign countries, together with the right of priority under any international conventions, treaties and/or agreements to which the United States currently adheres and adheres to in the future, and hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for the sole use and benefit of ASSIGNEE, its successors, assigns, and legal representatives;

AND ASSIGNOR authorizes ASSIGNEE, its successors, assigns, and legal representatives, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of aforesaid application and/or otherwise take advantage of the provisions of any international convention, treaty and/or agreement;

AND ASSIGNOR FURTHERMORE authorizes ASSIGNEE, its successors, assigns, and legal representatives, or anyone it may properly designate, to insert in this instrument the filing date and/or serial number of said application when ascertained;

AND ASSIGNOR AGREEING, FURTHERMORE, upon request of ASSIGNEE, and without further remuneration, but at no expense to ASSIGNOR, that ASSIGNOR or ASSIGNOR'S executors or administrators will provide all reasonable assistance to obtain, maintain, and assert the fullest measure of legal protection that ASSIGNEE desires to obtain or assert for the invention, any related inventions, any formal application based thereon, and any resulting patents, including executing any and all papers desired by ASSIGNEE for the filing and granting of formal applications, the perfecting of title in ASSIGNEE, and in enforcing any rights in the invention, any related inventions, and any formal application or patent based thereon.

If any provision of this assignment is held by any court to be unenforceable, such provision shall be interpreted to accomplish the objectives of the original provision to the fullest extent allowed by law and the remainder of this assignment shall remain in full force and effect.

EXECUTED as of the date(s) written below by ASSIGNOR:

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Hirohide Komiyama	Date: <u>(7 %, DEC, 20</u> / f.
Jun Kaminaga	Date:
Kenji Watamura	Date:

Hirohide Komiyama	Date:
Jun Kaminaga	Date: <u>/2/76/2019</u>
Kenji Watamura	Date:

Hirohide Komiyama	Date:	•
Jun Kaminaga	Date:	
Kehji Watamura	Date:	2019/12/18

RECORDED: 12/18/2019