

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TOSHIRO SAKAMOTO	04/16/2020
SATOSHI TAKEHARA	04/06/2020
YOSHIRO YAMAHA	04/24/2020
MAKOTO KOBAYASHI	04/16/2020
RECEIVING PARTY DATA	
Name:	ASAHI KASEI MICRODEVICES CORPORATION
Street Address:	1-1-2 YURAKUCHO, CHIYODA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	100-0006
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16649175
CORRESPONDENCE DATA	
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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Correspondent Name:	JEFFREY G. KILLIAN
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Address Line 4:	WASHINGTON, D.C. 20004
ATTORNEY DOCKET NUMBER:	100116-5143
NAME OF SUBMITTER:	JEFFREY G. KILLIAN
SIGNATURE:	/Jeffrey G. Killian/
DATE SIGNED:	05/07/2020
Total Attachments: 4	
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ASSIGNMENT

WHEREAS WE, the below named inventors, (hereinafter referred to as "Assignors"), have made an invention entitled:

NONVOLATILE STORAGE ELEMENT AND ANALOG CIRCUIT PROVIDED WITH SAME

for which WE filed an application for United States Letters Patent on March 20, 2020, (Application No 16/649,175); and

WHEREAS, **ASAHI KASEI MICRODEVICES CORPORATION**, whose post office address is **1-1-2 Yurakucho, Chiyoda-ku, Tokyo 100-0006 Japan** (hereinafter referred to as "Assignee"), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application of United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, WE, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and WE hereby authorize and request the Director of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent of this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that WE have the full right to convey the interest assigned by this Assignment, and WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that WE will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, WE have hereunto set my hands.

Full Name of first Assignor	Toshiro Sakamoto
Address	1-105, Kanda Jinbocho, Chiyoda-ku, Tokyo 101-8101 Japan
Signature	Toshiro Sakamoto
Date	April 16, 2020
Full Name of second Assignor	Satoshi Takehara
Address	1-105, Kanda Jinbocho, Chiyoda-ku, Tokyo 101-8101 Japan
Signature	
Date	

Full Name of third Assignor	Yoshiro Yamaha
Address	1-105, Kanda Jinbocho, Chiyoda-ku, Tokyo 101-8101 Japan
Signature	<i>Yoshiro Yamaha</i>
Date	<i>24th Apr. 2020</i>
Full Name of fourth Assignor	Makoto Kobayashi
Address	1-105, Kanda Jinbocho, Chiyoda-ku, Tokyo 101-8101 Japan
Signature	
Date	
Full Name of fifth Assignor	
Address	
Signature	
Date	
Full Name of sixth Assignor	
Address	
Signature	
Date	
Full Name of seventh Assignor	
Address	
Signature	
Date	
Full Name of eighth Assignor	
Address	
Signature	
Date	

PATENT

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NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, WE, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and WE hereby authorize and request the Director of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent of this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

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Full Name of first Assignor	Toshiro Sakamoto
Address	1-105, Kanda Jinbocho, Chiyoda-ku, Tokyo 101-8101 Japan
Signature	
Date	
Full Name of second Assignor	Satoshi Takehara
Address	1-105, Kanda Jinbocho, Chiyoda-ku, Tokyo 101-8101 Japan
Signature	竹原 聡
Date	April 6, 2020

Full Name of third Assignor	Yoshiro Yamaha
Address	1-105, Kanda Jinbocho, Chiyoda-ku, Tokyo 101-8101 Japan
Signature	
Date	
Full Name of fourth Assignor	Makoto Kobayashi
Address	1-105, Kanda Jinbocho, Chiyoda-ku, Tokyo 101-8101 Japan
Signature	小林 誠
Date	April 16, 2020
Full Name of fifth Assignor	
Address	
Signature	
Date	
Full Name of sixth Assignor	
Address	
Signature	
Date	
Full Name of seventh Assignor	
Address	
Signature	
Date	
Full Name of eighth Assignor	
Address	
Signature	
Date	