PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5480438

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TOSHIRO SAKAMOTO	04/03/2019
YUUKOU TSUSHIMA	04/04/2019

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:	16342997

CORRESPONDENCE DATA

Fax Number: (202)739-3001

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.

Phone: 2027393000

Email: patents@morganlewis.com, kathy.casavecchia@morganlewis.com

Correspondent Name: ROBERT J. GAYBRICK

Address Line 1: MORGAN, LEWIS & BOCKIUS LLP Address Line 2: 1111 PENNSYLVANIA AVENUE NW

Address Line 4: WASHINGTON, D.C. 20004

ATTORNEY DOCKET NUMBER:	100116-5123
NAME OF SUBMITTER:	JEFFREY G. KILLIAN
SIGNATURE:	/Jeffrey G. Killian/
DATE SIGNED:	04/18/2019

Total Attachments: 2

source=100116-5123_Assignment_04172019#page1.tif source=100116-5123 Assignment 04172019#page2.tif

PATENT REEL: 048918 FRAME: 0979 505433638

ASSIGNMENT

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

CURRENT SOURCE

for which WE filed an application for United States Letters Patent on	, (Application No); and
WHEREAS, ASAHI KASEI MICRODEVICES CORPORATION , whose post Japan (hereinafter referred to as "Assignee"), is desirous of securing to countries throughout the world, and in and to the application of Unit Patent to be issued upon this application;	the entire right, title, and interest in and to this i	nvention in all

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 3,2019
Full Name of second Assignor	Yuukou Tsushima
Address	1-105, Kanda Jinbocho, Chiyoda-ku, Tokyo 101-8101 Japan
Signature	
Date	

Morgan, Lewis & Bockius LLP

ASSIGNMENT

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

CURRENT SOURCE

for which WE filed an application for United States Letters Patent on	, (Application No); and
WHEREAS, ASAHI KASEI MICRODEVICES CORPORATION, whose post office add	lress is 1-1-2 Yurakucho, Chiyoda-k	u, Tokyo 100-0006
Japan (hereinafter referred to as "Assignee"), is desirous of securing the entire	right, title, and interest in and to the	is invention in all
countries throughout the world, and in and to the application of United States	Letters Patent on this invention and	d 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.

RECORDED: 04/18/2019

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	Yuukou Tsushima
Address	1-105, Kanda Jinbocho, Chiyoda-ku, Tokyo 101-8101 Japan
Signature	Yunkon Tsushima
Date	April 4, 2019

Morgan, Lewis & Bockius LLP

): and