

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6614387

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BO YAN	02/25/2021
JUNZHOU LUO	02/25/2021
YUE WANG	02/25/2021
TIEJUN WANG	03/01/2021
WEISEN LI	03/01/2021
RECEIVING PARTY DATA	
Name:	RIGOL TECHNOLOGIES CO., LTD.
Street Address:	NO. 8, KE LING ROAD
City:	NEW DISTRICT SUZHOU, JIANGSU
State/Country:	CHINA
Postal Code:	215163
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17276027
CORRESPONDENCE DATA	
Fax Number:	(202)783-3535
<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>	
Phone:	2027833300
Email:	lboone@polsinelli.com
Correspondent Name:	POLSINELLI PC
Address Line 1:	1401 EYE STREET N.W.
Address Line 2:	SUITE 800
Address Line 4:	WASHINGTON, D.C. 20005
ATTORNEY DOCKET NUMBER:	085097-682735
NAME OF SUBMITTER:	SCOTT D. WATKINS
SIGNATURE:	/SCOTT D. WATKINS/
DATE SIGNED:	03/22/2021
Total Attachments: 15	

source=085097-682735_Assignment_03_22_2021#page1.tif
source=085097-682735_Assignment_03_22_2021#page2.tif
source=085097-682735_Assignment_03_22_2021#page3.tif
source=085097-682735_Assignment_03_22_2021#page4.tif
source=085097-682735_Assignment_03_22_2021#page5.tif
source=085097-682735_Assignment_03_22_2021#page6.tif
source=085097-682735_Assignment_03_22_2021#page7.tif
source=085097-682735_Assignment_03_22_2021#page8.tif
source=085097-682735_Assignment_03_22_2021#page9.tif
source=085097-682735_Assignment_03_22_2021#page10.tif
source=085097-682735_Assignment_03_22_2021#page11.tif
source=085097-682735_Assignment_03_22_2021#page12.tif
source=085097-682735_Assignment_03_22_2021#page13.tif
source=085097-682735_Assignment_03_22_2021#page14.tif
source=085097-682735_Assignment_03_22_2021#page15.tif

ASSIGNMENT BY INVENTOR(S)

THIS ASSIGNMENT, by Bo YAN, Junzhou LUO, Yue WANG, Tiejun WANG, Weisen LI (hereinafter referred to as Assignors), having a mailing address at No. 8, Ke Ling Road, New District Suzhou, Jiangsu 215163 China., respectively;

WHEREAS, Assignors have invented certain new and useful improvements in **METASTABLE STATE DETECTION DEVICE AND METHOD, AND ADC CIRCUIT**, set forth in an International Application which was filed on May 9, 2020 as Application No. PCT/CN2020/089478, filed as an Application for Letters Patent of the United States on March 12, 2021 as US Application No. 17/276,027.

WHEREAS, **RIGOL TECHNOLOGIES CO., LTD.**, having its principal place of business at No. 8, Ke Ling Road, New District Suzhou, Jiangsu 215163 China (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, including the right to sue and collect damages for all past, present and future infringement of the foregoing, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and

entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Design application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.


AND Assignors hereby request the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

POLSINELLI PC

All practitioners at Customer Number 30678

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

	2021.02.25
Bo YAN	Date
Junzhou LUO	Date
Yue WANG	Date
Tiejun WANG	Date
Weisen LI	Date

ASSIGNMENT BY INVENTOR(S)

THIS ASSIGNMENT, by Bo YAN, Junzhou LUO, Yue WANG, Tiejun WANG, Weisen LI (hereinafter referred to as Assignors), having a mailing address at No. 8, Ke Ling Road, New District Suzhou, Jiangsu 215163 China., respectively;

WHEREAS, Assignors have invented certain new and useful improvements in **METASTABLE STATE DETECTION DEVICE AND METHOD, AND ADC CIRCUIT**, set forth in an International Application which was filed on May 9, 2020 as Application No. PCT/CN2020/089478, filed as an Application for Letters Patent of the United States on March 12, 2021 as US Application No. 17/276,027.

WHEREAS, **RIGOL TECHNOLOGIES CO., LTD.**, having its principal place of business at No. 8, Ke Ling Road, New District Suzhou, Jiangsu 215163 China (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, including the right to sue and collect damages for all past, present and future infringement of the foregoing, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and

entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Design application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

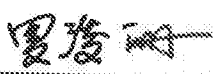
AND Assignors hereby request the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

POLSINELLI PC

All practitioners at Customer Number 30678

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Bo YAN	Date
	2021.2.25
Junzhou LUO	Date
Yue WANG	Date
Tiejun WANG	Date
Weisen LI	Date

ASSIGNMENT BY INVENTOR(S)

THIS ASSIGNMENT, by Bo YAN, Junzhou LUO, Yue WANG, Tiejun WANG, Weisen LI (hereinafter referred to as Assignors), having a mailing address at No. 8, Ke Ling Road, New District Suzhou, Jiangsu 215163 China., respectively;

WHEREAS, Assignors have invented certain new and useful improvements in **METASTABLE STATE DETECTION DEVICE AND METHOD, AND ADC CIRCUIT**, set forth in an International Application which was filed on May 9, 2020 as Application No. PCT/CN2020/089478, filed as an Application for Letters Patent of the United States on March 12, 2021 as US Application No. 17/276,027.

WHEREAS, **RIGOL TECHNOLOGIES CO., LTD.**, having its principal place of business at No. 8, Ke Ling Road, New District Suzhou, Jiangsu 215163 China (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, including the right to sue and collect damages for all past, present and future infringement of the foregoing, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and

entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Design application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.


AND Assignors hereby request the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

POLSINELLI PC

All practitioners at Customer Number 30678

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Bo YAN	Date
Junzhou LUO	Date
	2021.2.25
Yue WANG	Date
Tiejun WANG	Date
Weisen LI	Date

ASSIGNMENT BY INVENTOR(S)

THIS ASSIGNMENT, by Bo YAN, Junzhou LUO, Yue WANG, Tiejun WANG, Weisen LI (hereinafter referred to as Assignors), having a mailing address at No. 8, Ke Ling Road, New District Suzhou, Jiangsu 215163 China., respectively;

WHEREAS, Assignors have invented certain new and useful improvements in **METASTABLE STATE DETECTION DEVICE AND METHOD, AND ADC CIRCUIT**, set forth in an International Application which was filed on May 9, 2020 as Application No. PCT/CN2020/089478, filed as an Application for Letters Patent of the United States on March 12, 2021 as US Application No. 17/276,027.

WHEREAS, **RIGOL TECHNOLOGIES CO., LTD.**, having its principal place of business at No. 8, Ke Ling Road, New District Suzhou, Jiangsu 215163 China (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, including the right to sue and collect damages for all past, present and future infringement of the foregoing, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and

entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Design application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

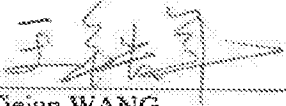


AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

POLSINELLI PC

All practitioners at Customer Number 30678

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Bo YAN	Date
Chaomin FANG	Date
Yue WANG	Date
	2021.3.1
Tiejun WANG	Date
Weisen LI	Date

ASSIGNMENT BY INVENTOR(S)

THIS ASSIGNMENT, by Bo YAN, Junzhou LUO, Yue WANG, Tiejun WANG, Weisen LI (hereinafter referred to as Assignors), having a mailing address at No. 8, Ke Ling Road, New District Suzhou, Jiangsu 215163 China., respectively;

WHEREAS, Assignors have invented certain new and useful improvements in **METASTABLE STATE DETECTION DEVICE AND METHOD, AND ADC CIRCUIT**, set forth in an International Application which was filed on May 9, 2020 as Application No. PCT/CN2020/089478, filed as an Application for Letters Patent of the United States on March 12, 2021 as US Application No. 17/276,027.

WHEREAS, **RIGOL TECHNOLOGIES CO., LTD.**, having its principal place of business at No. 8, Ke Ling Road, New District Suzhou, Jiangsu 215163 China (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, including the right to sue and collect damages for all past, present and future infringement of the foregoing, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and

entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Design application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.


AND Assignors hereby request the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

POLSINELLI PC

All practitioners at Customer Number 30678

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Bo YAN	Date
Junzhou LUO	Date
Yue WANG	Date
Tiejun WANG	Date
	2021/03/01
Weisen LI	Date