507029564 12/15/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7076400

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ENOCH LI	08/22/2019
BERND CLAUBERG	04/21/2020
YUHONG FANG	04/21/2020
HANS WERNARS	08/23/2019
LIANG HONG	11/19/2019
ASHWIN PREMRAJ	04/21/2020

RECEIVING PARTY DATA

Name:	SIGNIFY HOLDING B.V.
Street Address:	HIGH TECH CAMPUS 48
City:	EINDHOVEN
State/Country:	NETHERLANDS
Postal Code:	5656 AE

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17619550

CORRESPONDENCE DATA

Fax Number:

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.

Email: gigi.miller@signify.com

Correspondent Name: SIGNIFY INTELLECTUAL PROPERTY

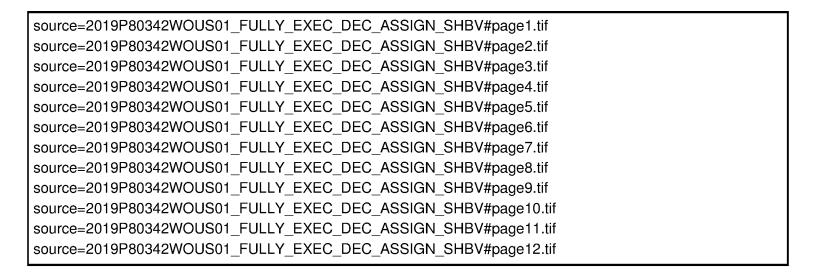
Address Line 1: 465 COLUMBUS AVENUE

Address Line 2: SUITE 330

Address Line 4: VALHALLA, NEW YORK 10595

ATTORNEY DOCKET NUMBER:	2019P80342WOUS01
NAME OF SUBMITTER:	GIGI MILLER
SIGNATURE:	/GiGi Miller/
DATE SIGNED:	12/15/2021

Total Attachments: 12



ASSIGNMENT& DECLARATION

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), or Inventor hereby sell, and assign, and transfer the entire and exclusive right, title, and interest in the following to Signify Holding B.V., having a place of business at High Tech Campus 48, 5656 AE, Eindhoven, the Netherlands, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee") my/our invention entitled

Mains E for which an application:	Detection Circuit for Isolated LED Drive	r Design
is executed concurrently herewith		
was executed by me/us on	**************************************	
	, having a Serial No	200222243043044073044
was filed on 2019-Jun-21 at the Workhaving an Application No. PCT/CN2	ld Intellectual Property Organization,	
and all rights in and to said application, a	nd all other United States, foreign and inte	rnational patent applications associated
therewith, based thereon, or claiming price	ority therefrom including, but not limited to	o, any and all provisionals, non-
provisionals divisions, continuations, con	tinuations-in-part, re-examinations, reissue	es, and extensions thereof, and the right to
claim priority thereto, and the entire and capplications.	exclusive right, title, and interest in and to	any and all patents granted on these
	t Office officials in the United States and in solely to the Assignee(s), for its sole use, an	
extent. Upon request at the expense of th legal proceedings including patent prosec	enable the Assignce to enjoy the foregoing e Assignce, I/we agree to execute all paper ution actions and infringement actions, and curing and maintaining patents on the forego convey the above rights.	rs, take all rightful oaths, testify in all do all other such acts which may be
-	lare that the above-identified application we ventor or an original joint Inventor of a cla	* · · ·
I hereby acknowledge that any wilful fals	e statement made in this declaration is pun	sishable under 18 H.S.C. 1001 by fine or
imprisonment of not more than five (5) ye	•	issued and a crosser root of the or
Date:	Enoch LI	Signature :
2019.8.22		Li Ming
Date:	Hans WERNARS	Signature :
Date:	Liang HONG	Signature :

Date:	Hans WERNARS	Signature:	
Dates	Liang HONG	Signature :	
	Ashwin PREMRAJ	Signature:	
Date:			
	<u> </u>		

for which an application:

Dates

Date:

-21-20

ASSIGNMENT& DECLARATION

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), or Inventor hereby sell, and assign, and transfer the entire and exclusive right, title, and interest in the following to Signify Holding B.V., hereby sell, and assign, and transfer the entire and exclusive right, title, and interest in the following to Signify Holding B.V., hereby sell, and assign, and transfer the entire and exclusive right, title, and interest in the following to Signify Holding B.V., hereby sell, and assign, and transfer the entire and exclusive right, title, and interest in the following to Signify Holding B.V., hereby sell, and assign, and transfer the entire and exclusive right, title, and interest in the following to Signify Holding B.V., hereby sell, and assign, and transfer the entire and exclusive right, title, and interest in the following to Signify Holding B.V., hereby sell, and assign, and transfer the entire and exclusive right, title, and interest in the following to Signify Holding B.V., hereby sell, and assign, and transfer the entire and exclusive right, title, and interest in the following to Signify Holding B.V., hereby sell, and assign and transfer the entire and exclusive right, title, and interest in the following to Signify Holding B.V., hereby sell, and assign and transfer the entire and exclusive right, title, and interest in the following to Signify Holding B.V., hereby sell, and assign and transfer the entire and exclusive right, title, and interest in the following to Signify Holding B.V., hereby sell, and assign and transfer the entire and exclusive right, title, and interest in the following to Signify Holding B.V., hereby sell, and the following to Signify Holding B.V., hereby sell, and the following to Signify Holding B.V., hereby sell, and the following to Signify Holding B.V., hereby sell, and the following to Signify Holding B.V., hereby sell, and the following to Signify Holding B.V., hereby sell, and the following to Signify Holding B.V., hereby sell

Date:	Enoch L.I	Signature:
I hereby acknowledge that imprisonment of not mor	e than five (5) years, or BOH.	laration is punishable under 18 U.S.C. 1001 by fi
and that I believe that I a	n the original Invernor or an original joins or	application was made or authorized to be made by ventor of a claimed invention in the application.
necessary, desirable, or continuous thereto in the Assignee. L'We certify that I/we have	nvenient for securing and maintaining patern e the full right to convey the above rights.	
extent. Upon request at th	e expense of the Assignee, two agree to va-	he foregoing right, title, and interest to the fullest cute all papers, take all rightful oaths, testify in al at actions, and do all other such acts which may be seen the foregoing invention or for perfecting title
any and all Letters Patent (legal representatives.	vhen granted, solely to the Assignee(s), ica n	States and in any and all foreign countries to issues sole use, and that of its successors, assigns, and
herewith, based thereon, or provisionals divisions, com- laim priority thereto, and applications.	claiming priority therefrom including, that of inuations, continuations-in-part, re-examinat he emire and exclusive right, title, and interest	st in and to any and all patents granted on these
was filed on 2019-Jun- having an Application N	Lat the World Intellectual Property Organ by PCT/CN2019/092337,	
1 was executed at the	ñ	The state of the s

Bernd CLAUBERG

Yuhong FANG

PATENT REEL: 058402 FRAME: 0235

Signature:

Signature:

Dates		Signature:
Date:	Liang HONG	Signature:
- Nate:	Ashwin PREMRAJ	Signature:
£73344		

ASSIGNMENT& DECLARATION

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), or Inventor hereby sell, and assign, and transfer the entire and exclusive right, title, and interest in the following to Signify Holding B.V., having a place of business at High Tech Campus 48, 5656 AE, Eindhoven, the Netherlands, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee") my/our invention entitled

Composition on marking time	Mains Detection Circuit for Isolated I	ED Driver Design
for which an application: is executed concurrently he	agazzith	
<u> </u>		
	, having a Serial No	
	at the World Intellectual Property Organ	
therewith, based thereon, or claprovisionals divisions, continuclaim priority thereto, and the applications. I/We authorize and request that	aiming priority therefrom including, but no ations, continuations-in-part, re-examination entire and exclusive right, title, and interest t the Patent Office officials in the United S	en and international patent applications associated the limited to, any and all provisionals, nonons, reissues, and extensions thereof, and the right to in and to any and all patents granted on these tates and in any and all foreign countries to issue sole use, and that of its successors, assigns, and
extent. Upon request at the explegal proceedings including particles in the explession of convertible of the explession	pense of the Assignee, I/we agree to execut tent prosecution actions and infringement a tient for securing and maintaining patents of full right to convey the above rights.	foregoing right, title, and interest to the fullest e all papers, take all rightful oaths, testify in all ections, and do all other such acts which may be on the foregoing invention or for perfecting title plication was made or authorized to be made by me,
	wilful false statement made in this declara	tor of a claimed invention in the application. tion is punishable under 18 U.S.C. 1001 by fine or
Date:	Enoch LI	Signature :
Date:	Bernd CLAUBERG	Signature:
Date: 4/21/2020	Yuhong FANG	Signature:

Date:	Hans WERNARS	Signature:	¥
	220		
Date:	Liang HONG	Signature :	
Date:	Ashwin PREMRAJ	Gi-ma-t-ma-	·
Pate.	Aginam & Remarks	Signature :	
κ. 			

ASSIGNMENT& DECLARATION

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), or Inventor hereby sell, and assign, and transfer the entire and exclusive right, title, and interest in the following to Signify Holding B.V., having a place of business at High Tech Campus 48, 5656 AE, Eindhoven, the Netherlands, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee") my/our invention entitled

	Mains Detection Circuit for Isolated I	.ED Driver Design
for which an application:		
is executed concurrently he	rewith	
	NA N	
7777	, having a Serial No	
	it the World Intellectual Property Organ	
and all rights in and to said app	olication, and all other United States, forei	gn and international patent applications associated
therewith, based thereon, or cla	iming priority therefrom including, but no	of limited to, any and all provisionals, non-
provisionals divisions, continu	ations, continuations-in-part, re-examinati	ons, reissues, and extensions thereof, and the right to
claim priority thereto, and the	entire and exclusive right, title, and interes	t in and to any and all patents granted on these
applications.		
any and all Letters Patent when legal representatives. 1/We will provide my/our coop	n granted, solely to the Assignee(s), for its eration to enable the Assignee to enjoy th	states and in any and all foreign countries to issue sole use, and that of its successors, assigns, and a foregoing right, title, and interest to the fullest te all papers, take all rightful oaths, testify in all
legal proceedings including pa	tent prosecution actions and infringement	actions, and do all other such acts which may be
necessary, desirable, or conver	ient for securing and maintaining patents	on the foregoing invention or for perfecting title
thereto in the Assignee.		
I/We certify that I/we have the	full right to convey the above rights.	
and that I believe that I am the	original Inventor or an original joint Inver wilful false statement made in this declar	plication was made or authorized to be made by me, nor of a claimed invention in the application.
Date:	Enoch LI	Signature :
Date:	Hans WERNARS	Signature:
880		
57-8-5014	Man Vernon	
Date:	Liang HONG	Signature:

	30,000000000000000000000000000000000000	
Date:		Signature:
Daie:	Liang HONG	Signature:
Date:	Ashwin PREMIKAJ	Signature:

ASSIGNMENT& DECLARATION

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), or Inventor hereby sell, and assign, and transfer the entire and exclusive right, title, and interest in the following to Signify Holding B.V., having a place of business at High Tech Campus 48, 5656 AE, Eindhoven, the Netherlands, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee") my/our invention entitled

Mains I for which an application:	Detection Circuit for Isolated LED Drive	er Design
is executed concurrently herewith		
was executed by me/us on	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
was filed on.	, having a Serial No	
was filed on 2019-Jun-21 at the Wor having an Application No. PCT/CN2		
therewith, based thereon, or claiming price provisionals divisions, continuations, con-	nd all other United States, foreign and inte- ority therefrom including, but not limited to dinuations-in-part, re-examinations, reissu exclusive right, title, and interest in and to	o, any and all provisionals, non- es, and extensions thereof, and the right to
	t Office officials in the United States and isolely to the Assignee(s), for its sole use, a	- "
extent. Upon request at the expense of the legal proceedings including patent prosecutions.	enable the Assignee to enjoy the foregoing a Assignee, I/we agree to execute all pape oution actions and infringement actions, and curing and maintaining patents on the fore o convey the above rights.	rs, take all rightful oaths, testify in all do all other such acts which may be
As a halow-paped Inventor I haraby dea	large that the above identified emiliantians	ugo mada or outhorized to be made by me
	wentor or an original joint Inventor of a cl	was made or authorized to be made by me, aimed invention in the application.
I hereby acknowledge that any wilful fals	e statement made in this declaration is put	nishable under 18 U.S.C. 1001 by fine or
imprisonment of not more than five (5) ye		
Date:	Enoch LI	Signature :
Date:	Hans WERNARS	Signature :
Date: 2019/11/19	Liang HONG	Signature: THE

Date:	Hans WERNARS	Signature:	
Dates	Liang HONG	Signature:	
	Ashwin PREMRAJ	Signature:	
Date:			
	<u> </u>		

ASSIGNMENT& DECLARATION

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), or Inventor hereby sell, and assign, and transfer the entire and exclusive right, title, and interest in the following to Signify Holding B.V., having a place of business at High Tech Campus 48, 5656 AE, Eindhoven, the Netherlands, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee") my/our invention entitled

Mains Detection Circuit for Isolated LED Driver Design
for which an application:
is executed concurrently herewith
was executed by me/us on
was filed on. , having a Serial No
was filed on 2019-Jun-21 at the World Intellectual Property Organization, having an Application No. PCT/CN2019/092337,
and all rights in and to said application, and all other United States, foreign and international patent applications associated
therewith, based thereon, or claiming priority therefrom including, but not limited to, any and all provisionals, non-
provisionals divisions, continuations, continuations-in-part, re-examinations, reissues, and extensions thereof, and the right to
claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these applications.
I/We authorize and request that the Patent Office officials in the United States and in any and all foreign countries to issue any and all Letters Patent when granted, solely to the Assignee(s), for its sole use, and that of its successors, assigns, and legal representatives.
I/We will provide my/our cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest extent. Upon request at the expense of the Assignee, I/we agree to execute all papers, take all rightful oaths, testify in all
legal proceedings including patent prosecution actions and infringement actions, and do all other such acts which may be
necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title
thereto in the Assignee.
I/We certify that I/we have the full right to convey the above rights.
As a below-named Inventor, I hereby declare that the above-identified application was made or authorized to be made by me, and that I believe that I am the original Inventor or an original joint Inventor of a claimed invention in the application.

imprisonment of not more than five (5) years, or both.

Date:

Bernd CLAUBERG

Signature:

Date:

Yuhong FANG

Signature:

I hereby acknowledge that any wilful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or

Asi	hwin PREMRAJ	Signature :	
		P35 A	
A.754	mag asserted		
116	ang HONG	Signature :	
Ha	ns WERNARS	Signature :	
Ha	ms WERNARS	Signature :	

PATENT REEL: 058402 FRAME: 0244

RECORDED: 12/15/2021