504792235 02/25/2018

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Sung-Chun Lin	12/28/2017
Hsien-Tang Hu	12/28/2017
Hsuan-Chen Liu	12/28/2017
Chien-Ting Chan	12/28/2017

RECEIVING PARTY DATA

Name:	HANNSTAR DISPLAY CORPORATION
Street Address:	4F, No.15, Ln 168, Xing Shan Rd., Neihu Dist.
City:	Taipei City
State/Country:	TAIWAN

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15904413

CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Correspondent Name: WINSTON HSU

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ATTORNEY DOCKET NUMBER:	HANP0120USA
NAME OF SUBMITTER:	SIBYL YU
SIGNATURE:	/SIBYL YU/
DATE SIGNED:	02/25/2018

Total Attachments: 8

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> PATENT REEL: 045031 FRAME: 0032

504792235



PATENT REEL: 045031 FRAME: 0033

Title of Invention:

THIN FILM TRANSISTOR SUBSTRATE AND DISPLAY DEVICE

As the below named inventor, I here This declaration is directed to:			
☑ The attached application, or			
☐ United States application nu	mber	filed on	, or
☐ PCT international application	number	filed on	
The above-identified application was	made or authorized to be made	by me.	*************************************
I believe that I am the original invent application.	or or an original joint inventor of	a claimed invention in the	;
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr	l false statement made in this de isonment of not more than five (b	claration is punishable 5) years, or both.	
In consideration of the payment by	HANNSTAR DISPLAY CORPORATION	having a postal	address of
4F, No.15, Ln 168, Xing Shan	Rd., Neihu Dist., Taipei Cit	y 114, Taiwan, R.O.C	i .
(referred to as "ASSIGNEE" below) to acknowledged, and for other good an	ol of the sum of One Dollar (\$ 1. d valuable consideration.	00), the receipt of which is	s hereby
I hereby sell, assign and transfer to A the entire right, title and interest in ar invention as above-identified application or substitutes, or extensions thereof, an	nd to any and all improvements water and, in and to, all Letters Pa any continuations, continuation- d as to Letters Patent any reissu	which are disclosed in the tent to be obtained for sai in-part, divisions, renewa le or re-examination there	id Is, eof.
I hereby covenant that no assignmen entered into which would conflict with	t, sale, agreement or encumbrar this assignment;	nce has been or will be m	ade or
I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to I and will testify as to the same in any interference, litigation proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal			
representatives any and all papers, ir maintain, issue and enforce said appi equivalents thereof which may be neo IN WITNESS WHEREOF, I have here	ication, said invention and said I	etters Patent and said	e of signing)
Note: An application data sheet (PTC inventive entity, must accompany this	/SB/14 or equivalent), including form. Use this form for <u>each ad</u>	naming the entire ditional inventor.	

Page 1 of 8

NPO#HAN-P0120-USA:0 CUST#A17010US

LEGAL NA	ME OF INVENTOR(ASSIGNOR)			
Inventor:	Sung-Chun Lin	Date:	DEC 28 2017	
Signature:	Sung Chun den			

Page 2 of 8

Title of Invention: THIN FILM TRANSISTOR SUBSTRATE AND DISPLAY DEVICE

As the below named inventor, I here This declaration is directed to:	by declare that:		
☑ The attached application, or			
☐ United States application nu	mber	filed on	, or
☐ PCT international application	number	filed on	
The above-identified application was	made or authorized to be made	e by me.	
I believe that I am the original invent application.	or or an original joint inventor of	a claimed invention in the	е
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr			
In consideration of the payment by	HANNSTAR DISPLAY CORPORATION	having a posta	ıl address of
4F, No.15, Ln 168, Xing Shan	Rd., Neihu Dist., Taipei Ci	ty 114, Taiwan, R.O.C	3.
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good ar		.00), the receipt of which	is hereby
I hereby sell, assign and transfer to a the entire right, title and interest in a invention as above-identified applica invention by the above application of substitutes, or extensions thereof, an	nd to any and all improvements tion and, in and to, all Letters P r any continuations, continuation	which are disclosed in the atent to be obtained for sa n-in-part, divisions, renew	e aid als,
I hereby covenant that no assignment entered into which would conflict with		ance has been or will be r	nade or
I further covenant that ASSIGNEE wand documents relating to said inver known and accessible to I and will to related thereto and will promptly exe	ntion and said Letters Patent an estify as to the same in any inter	d legal equivalents as ma ference, litigation proceed	ıy be
representatives any and all papers, i maintain, issue and enforce said app equivalents thereof which may be no IN WITNESS WHEREOF, I have he	olication, said invention and said ecessary or desirable to carry or	Letters Patent and said	ate of signing)
Note: An application data sheet (PTo inventive entity, must accompany this			

Page 3 of 8

NPO#HAN-P0120-USA:0 CUST#A17010US

LEGAL NAI	ME OF INVENTOR (ASSIGNOR	₹)			
Inventor:	Hsien-Tang Hu		Date:	DEC 28 2017	
Signature:	Hsien - Tang	du			

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Title of Invention: THIN FILM TRANSISTOR SUBSTRATE AND DISPLAY DEVICE

As the below named inventor, I here This declaration is directed to:	by declare that:		
☑ The attached application, or			
☐ United States application nu	mber	filed on	_, or
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The above-identified application was	s made or authorized to be made	e by me.	
I believe that I am the original invent application.	or or an original joint inventor of	a claimed invention in the	
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In consideration of the payment by	HANNSTAR DISPLAY CORPORATION	having a postal ad	dress of
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(referred to as "ASSIGNEE"below) to acknowledged, andfor other good ar		.00), the receipt of which is h	ereby
I hereby sell, assign and transfer to a the entire right, title and interest in a invention as above-identified applica invention by the above application o substitutes, or extensions thereof, an	nd to any and all improvements ition and, in and to, all Letters P r any continuations, continuatior	which are disclosed in the atent to be obtained for said 1-in-part, divisions, renewals,	
hereby covenant that no assignment entered into which would conflict with		ance has been or will be mad	e or
further covenant that ASSIGNEE wand documents relating to said inver known and accessible to I and will te related thereto and will promptly exe	ntion and said Letters Patent an estify as to the same in any inter	d legal equivalents as may be ference, litigation proceeding	•
representatives any and all papers, i maintain, issue and enforce said app equivalents thereof which may be no N WITNESS WHEREOF, I have he	olication, said invention and said ecessary or desirable to carry ou	Letters Patent and said	f signing)
Note: An application data sheet (PT0 Inventive entity, must accompany thi			

Page 5 of 8

NPO#HAN-P0120-USA:0 CUST#A17010US

LEGAL NA	ME OF INVENTOR(ASSIG	iNOR)			
Inventor:	Hsuan-Chen Liu		Date:	DEC 28 2017	
- Signature:	Usuan-Phen	Li			

Page 6 of 8

Title of Invention: THIN FILM TRANSISTOR SUBSTRATE AND DISPLAY DEVICE

As the below named inventor, I here This declaration is directed to:	by declare that:		
☑ The attached application, or			
☐ United States application nu	mber	filed on	, or
☐ PCT international application	number	filed on	
The above-identified application was	made or authorized to be made	by me.	
I believe that I am the original invent application.	or or an original joint inventor of a	claimed invention in th	ne
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In consideration of the payment by	HANNSTAR DISPLAY CORPORATION	having a post	al address of
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(referred to as "ASSIGNEE"below) to acknowledged, andfor other good an	o I of the sum of One Dollar (\$ 1.0 d valuable consideration.	0), the receipt of which	is hereby
I hereby sell, assign and transfer to A the entire right, title and interest in ar invention as above-identified applica invention by the above application or substitutes, or extensions thereof, ar	nd to any and all improvements w tion and, in and to, all Letters Pat any continuations, continuation-i	hich are disclosed in the ent to be obtained for s n-part, divisions, renew	ne said vals.
I hereby covenant that no assignmer entered into which would conflict with	nt, sale, agreement or encumbran n this assignment;	ce has been or will be	made or
I further covenant that ASSIGNEE wand documents relating to said inven known and accessible to I and will te related thereto and will promptly exe	tion and said Letters Patent and I stify as to the same in any interfe	legal equivalents as ma rence, litigation procee	av be
representatives any and all papers, in maintain, issue and enforce said app equivalents thereof which may be ne IN WITNESS WHEREOF, I have her	lication, said invention and said L cessary or desirable to carry out	etters Patent and said	
Note: An application data sheet (PTC inventive entity, must accompany this	D/SB/14 or equivalent), including is form. Use this form for <u>each add</u>	naming the entire litional inventor.	

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NPO#HAN-P0120-USA:0 CUST#A17010US

LEGAL NA	ME OF INVENTOR(ASSIGNOR)			
Inventor:	Chien-Ting Chan	Date:	DEC 28 2017	
Signature:	Chien - Ting Chan			

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F#NPO-P0002E-US1201 DSB0-106U036331

PATENT REEL: 045031 FRAME: 0041

NPO#HAN-P0120-USA:0 CUST#A17010US

RECORDED: 02/25/2018