PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

Version v1.1 EPAS ID: PAT5866652

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEE'S NAME previously recorded on Reel 046119 Frame 0594. Assignor(s) hereby confirms the ASSIGNEE'S NAME IS "IRIS OPTRONICS CO., LTD.".

CONVEYING PARTY DATA

Name	Execution Date
CHI-CHANG LIAO	05/28/2018
SHU-SHIEN LIU	05/28/2018
TSUNG-MING PAI	05/28/2018
FU-MING WANG	05/28/2018

RECEIVING PARTY DATA

Name:	IRIS OPTRONICS CO., LTD.
Street Address:	NO. 5, TITANGGANG RD., XINSHI DIST.
City:	TAINAN CITY
State/Country:	TAIWAN
Postal Code:	74148

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15997374

CORRESPONDENCE DATA

Fax Number: (703)621-7155

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.

Correspondent Name: MUNCY, GEISSLER, OLDS & LOWE, PC

Address Line 1: 4000 LEGATO RD., SUITE 310
Address Line 4: FAIRFAX, VIRGINIA 22033

ATTORNEY DOCKET NUMBER:	4459/1972PUS1
NAME OF SUBMITTER:	JOE MCKINNEY MUNCY
SIGNATURE:	/Joe McKinney Muncy/
DATE SIGNED:	12/13/2019

Total Attachments: 3 source=NOR2#page1.tif

PATENT REEL: 051284 FRAME: 0851

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PATENT REEL: 051284 FRAME: 0852

06/18/2018 504964604

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5011350

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHI-CHANG LIAO	05/28/2018
SHU-SHIEN LIU	05/28/2018
TSUNG-MING PAI	05/28/2018
FU-MING WANG	05/28/2018

RECEIVING PARTY DATA

Name:	IRIS OPTRONICS CO., LTD
Street Address: NO. 5, TITANGGANG RD., XINSHI DIST.	
City:	TAINAN CITY
State/Country:	TAIWAN
Postal Code:	74148

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15997374

CORRESPONDENCE DATA

Fax Number: (703)621-7155

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: 7036217140

Email: mailroom@mg-ip.com, arc@mg-ip.com **Correspondent Name:** MUNCY, GEISSLER, OLDS & LOWE, PC

4000 LEGATO RD., SUITE 310 Address Line 1: Address Line 4: FAIRFAX, VIRGINIA 22033

ATTORNEY DOCKET NUMBER:	4459/1972PUS1
NAME OF SUBMITTER:	JOE MCKINNEY MUNCY
SIGNATURE:	/Joe McKinney Muncy/
DATE SIGNED:	06/18/2018

Total Attachments: 2

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> **PATENT REEL: 051284 FRAME: 0853**

MUNCY, GEISSLER, OLDS & LOWE, PLLC

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

	Application No Filed
Insert Name(s) of Inventor(s)	***(Given Name FAMILY NAME (ALL CAPS))***
	WHEREAS, Chi-Chang LIAO; Shu-Shien LIU; Tsung-Ming PAI; Fu-Ming WANG
	(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in
Insert Title of Invention	CHOLESTERIC LIQUID CRYSTAL WRITING BOARD
	for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application).
Insert Date of Signing of Application	on; and
Insert Name of Assignee	WHEREAS, IRIS OPTRONICS CO., LTD.
Insert Address of Assignee	of No.5, Titanggang Rd., Xinshi Dist., Tainen City 74148, Taiwan (R.O.C.)
CHECK BOX	its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignce) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and in any foreign countries.
	NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;
	and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

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PATENT

REEL: 051284 FRAME: 0854

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest berein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Muncy, Geissler, Olds & Lowe, PLLC 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 U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

V Date	Name of Inventor I Chi-Chang LIAO
•	
Date >0/8/01/28	Name of Inventor 2 Shy - Shien Liu (signature) Shu-Shien Liu
Date 20(8/05/28	Name of Inventor 3 Tsung Ming Pal
Date	Name of Inventor 4 furning Wanks (signature) Fu-Ming WANKS
·	(signature) Fu-Ming WANG

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