505313596 02/05/2019

EPAS ID: PAT5360377

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHAO-HSI WANG	01/17/2019
CHAO-CHANG HU	01/17/2019
KUEN-WANG TSAI	01/17/2019
CHIH-WEI WENG	01/16/2019

RECEIVING PARTY DATA

Name:	TDK TAIWAN CORP.
Street Address:	NO. 159, SEC. 1, ZHONGSHAN N. RD., YANGMEI DIST.,
City:	TAOYUAN CITY
State/Country:	TAIWAN
Postal Code:	326

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16257629

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, cma@mg-ip.com
Correspondent Name: MUNCY, GEISSLER, OLDS & LOWE, PC

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

ATTORNEY DOCKET NUMBER:	0941/3579PUS2
NAME OF SUBMITTER:	JOE MCKINNEY MUNCY
SIGNATURE:	/Joe McKinney Muncy/
DATE SIGNED:	02/05/2019

Total Attachments: 2

source=2019-02-05 Assignment_as filed#page1.tif source=2019-02-05 Assignment_as filed#page2.tif

PATENT 505313596 REEL: 048239 FRAME: 0860

ASSIGNMENT

WHEREAS, Chao-Hsi WANG Chao-Chang HU, Kuen-Wang TSAI and Chih-Wei WENG hereafter referred to as ASSIGNOR, has/have invented certain new and useful improvements as described and set forth in the below identified application for United States Letters Patent:

Title:	APER	TURE	UNIT	[222	***************************************	
Filed: 0	1/25/2019					Se	erial No.	16/257,6	629		 man
Execute	ed on:	Janua	arv	17,	2019	and	Januar	y 16	/ La U LL U		

WHEREAS, TDK TAIWAN CORP. of No.159, Sec. 1, Zhongshan N. Rd., Yangmei Dist., Taoyuan City 326, Taiwan (R.O.C.) hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has/have sold, assigned and transferred, and by these presents does/do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all his/her/their rights, title and interest in and to the said invention and application and all future improvements thereon, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees/agree that he/she/they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the date(s) indicated.

Full name of sole or first inventor: Chao-Hs	i WANG	
Inventor's signature:	Date:	***************************************
Charles trey	2-19/1/17	
Full name of second inventor: Chao-Chang	HU	
Inventor's signature:	Date:	
Chao Clong Hu	>49.1.11	
	PAIENI	

AAAA AAAAAAAA UA

REEL: 048239 FRAME: 0861

Full name of third inventor: Kuen-Wang TSAI				
Inventor's signature:	Date:			
Kuon-Wang Isai	2019.1.17			

Full name of fourth inventor: Chih-Wei WENG				
Inventor's signature:	Date:			
Chih-Wei Weng	2019.1.16			

PATENT REEL: 048239 FRAME: 0862