505053273 08/21/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5100028

SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	
CONVEYING PARTY DA	TA		
		Name	Execution Date
CHIN-AN TSENG			08/17/2018
YI-CHING CHEN			08/17/2018
MIEN-MIEN CHENG			08/17/2018
CHIA-LEI YU			08/17/2018
YUNG-MING HUANG			08/17/2018
RECEIVING PARTY DAT	ГА		
Name:	ASUSTEK COMPUTER INC.		
Street Address:	NO. 15, LI-TE RD., PEITOU		
City:	TAIPEI		
State/Country:	TAIWAN		
Property Type	Total: 1	Number	
Property Type Application Number:		Number 6105033	
Application Number:	1 ATA	6105033	
Application Number: CORRESPONDENCE DA Fax Number:	1 ATA (4	6105033 404)521-4286	
Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be	ATA (2 e sent to a	6105033	
Application Number: CORRESPONDENCE DA Fax Number: <i>Correspondence will be</i>	ATA (2 e sent to a provided;	6105033 404)521-4286 the e-mail address first; if that is uns	
Application Number: CORRESPONDENCE DA Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email:	ATA (2 e sent to a provided; 6 g	6105033 404)521-4286 <i>the e-mail address first; if that is uns</i> <i>if that is unsuccessful, it will be sen</i> 784838899 ina.silverio@mqrlaw.com	
Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name:	ATA (4 e sent to a provided; g M	6105033 404)521-4286 <i>the e-mail address first; if that is uns</i> <i>if that is unsuccessful, it will be sen</i> 784838899 ina.silverio@mqrlaw.com /ICCLURE, QUALEY & RODACK, LLP	
Application Number: CORRESPONDENCE DA Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1:	ATA (2 e sent to i provided; 6 g N 2	6105033 404)521-4286 <i>the e-mail address first; if that is uns</i> <i>if that is unsuccessful, it will be sen</i> 784838899 ina.silverio@mqrlaw.com /CCLURE, QUALEY & RODACK, LLP 80 INTERSTATE NORTH CIRCLE	
Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name:	ATA (4 e sent to a provided; 6 g N 2 S	6105033 404)521-4286 <i>the e-mail address first; if that is uns</i> <i>if that is unsuccessful, it will be sen</i> 784838899 ina.silverio@mqrlaw.com /ICCLURE, QUALEY & RODACK, LLP	
Application Number: CORRESPONDENCE DA Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2:	ATA (2 e sent to i provided; 6 g N 2 S A	6105033 404)521-4286 <i>the e-mail address first; if that is uns</i> <i>if that is unsuccessful, it will be sen</i> 784838899 ina.silverio@mqrlaw.com MCCLURE, QUALEY & RODACK, LLP 80 INTERSTATE NORTH CIRCLE SUITE 550	
Application Number: CORRESPONDENCE DA Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4:	ATA (2 e sent to i provided; 6 g N 2 S A	6105033 404)521-4286 <i>the e-mail address first; if that is uns</i> <i>if that is unsuccessful, it will be sen</i> 784838899 ina.silverio@mqrlaw.com ACCLURE, QUALEY & RODACK, LLP 80 INTERSTATE NORTH CIRCLE SUITE 550 ATLANTA, GEORGIA 30339	
Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NU	ATA (2 e sent to i provided; 6 g N 2 S A	6105033 404)521-4286 the e-mail address first; if that is uns if that is unsuccessful, it will be sen 784838899 ina.silverio@mqrlaw.com ACCLURE, QUALEY & RODACK, LLP 80 INTERSTATE NORTH CIRCLE SUITE 550 ATLANTA, GEORGIA 30339 250148-2130	

ASSIGNMENT

This assignment agreement is applicable to an invention entitled (Invention Title)

DRIVE CIRCUIT AND PICTURE BLACK INSERTION METHOD OF DISPLAY DEVICE

The PATENT RIGHTS referred to in this agreement are:

(check one) [S] a patent application for this invention, executed by the ASSIGNOR(S)

concurrently with this assignment.

U.S. patent application Serial No._____,filed_____

a U.S. patent application based on PCT International Application

No._____filed on (date)_____(U.S. patent application

Serial No.____, if known).

U.S. patent No.____, issued_____

The PATENT RIGHTS also include all divisions, reissues, continuations and extensions of the patents and patent applications identified above.

The PATENT RIGHTS assigned under this agreement are:

(check one) XU.S. patent rights only.

Worldwide patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. or foreign patent application for this invention.

The ASSIGNOR(S) referred to in this agreement is (or are) the inventor(s) whose signatures appear on page 2 of this Assignment and any Supplemental Sheet(s).

The ASSIGNEE referred to in this agreement is:

(Name of Assignee) ASUSTeK COMPUTER INC.

(Address) NO.15, LI-TE RD., PEITOU, TAIPEI, TAIWAN, R.O.C.

The ASSIGNEE is:

(check one) An individual.

A Partnership.

The ASSIGNOR(S), in consideration of \$10.00 paid by the ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, hereby assign(s) the following rights to the ASSIGNEE, its successors and assigns:

the full and exclusive right to the invention;

the entire right, title and interest in and to the PATENT RIGHTS;

the right to sue and recover for any past infringement; and

the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable

provisions, based on any earlier patent applications for this invention.

THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO ASSIGNEE: ASUSTeK COMPUTER INC. INVENTION TITLE:

DRIVE CIRCUIT AND PICTURE BLACK INSERTION METHOD OF DISPLAY DEVICE

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademark to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any fact known to the ASSIGNOR(S) with respect to said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause and all Letter Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNOR(S) authorize(s) the attorneys and agents who have the power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

Chin-An TSENG Name of sole or first inventor

Yi-Ching CHEN Name of second inventor, if any

Mien-Mien CHENG Name of third inventor, if any

Chia-Lei YU Name of fourth inventor, if any

Yung-Ming HUANG Name of fifth inventor, if any

Name of sixth inventor, if any

<u>Cka-Ar</u> Tseng Signature

Yi-Ching CHEN Signature

Man-Mich CH 6Mg Signature

Tung-Ming Huang Signature

Signature

Signature

Date

Date

Date

Date

Date

Date

2018/8/17

2018/8/17

2018/8/17

2018/8/17

Name of seventh inventor, if any

Date

PATENT REEL: 046644 FRAME: 0456

RECORDED: 08/21/2018