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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
16/403,867	05/06/2019	Chien-Hao CHEN	5900/0619PUS1

CONFIRMATION NO. 5828

PUBLICATION NOTICE



OC000000118201370

60601

Muncy, Geissler, Olds & Lowe, P.C.
4000 Legato Road
Suite 310
Fairfax, VA 22033

Title:ILLUMINATION FAN CONNECTABLE WITH AT LEAST ONE ILLUMINATION FAN FOR A COMPUTER

Publication No.US-2020-0208832-A1

Publication Date:07/02/2020

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publicly available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently <http://www.uspto.gov/patft/>.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Public Records Division. The Public Records Division can be reached by telephone at (571) 272-3150 or (800) 972-6382, by facsimile at (571) 273-3250, by mail addressed to the United States Patent and Trademark Office, Public Records Division, Alexandria, VA 22313-1450 or via the Internet.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at www.uspto.gov using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently <https://portal.uspto.gov/pair/PublicPair>. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/403,867	06/23/2020	10690336	5900/0619PUS1	5828

60601 7590 06/03/2020

Muncy, Geissler, Olds & Lowe, P.C.
4000 Legato Road
Suite 310
Fairfax, VA 22033

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

Chien-Hao CHEN, Yilan County, TAIWAN;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

60601 7590 04/13/2020
Muncy, Geissler, Olds & Lowe, P.C.
4000 Legato Road
Suite 310
Fairfax, VA 22033

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/403,867	05/06/2019	Chien-Hao CHEN	5900/0619PUS1	5828

TITLE OF INVENTION: ILLUMINATION FAN CONNECTABLE WITH AT LEAST ONE ILLUMINATION FAN FOR A COMPUTER

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$500	\$0.00	\$0.00	\$500	07/13/2020

EXAMINER	ART UNIT	CLASS-SUBCLASS
TRUONG, BAO Q	2875	362-294000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-09 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) The names of up to 3 registered patent attorneys or agents OR, alternatively, MUNCY, GEISSLER, OLDS & LOWE, P.C.
1 _____
- (2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.
2 _____
- 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. Fees submitted: ☒ Issue Fee ☐ Publication Fee (if required) ☐ Advance Order - # of Copies _____

4b. Method of Payment: (Please first reapply any previously paid fee shown above)

☒ Electronic Payment via EFS-Web ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. 503828

5. **Change in Entity Status** (from status indicated above)

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature /Scott Tulino/ Scott M. Tulino, Reg. No. 48317

Date May 8, 2020

Typed or printed name Joe McKinney Muncy

Registration No. 32,334

Electronic Patent Application Fee Transmittal				
Application Number:		16403867		
Filing Date:		06-May-2019		
Title of Invention:		ILLUMINATION FAN CONNECTABLE WITH AT LEAST ONE ILLUMINATION FAN FOR A COMPUTER		
First Named Inventor/Applicant Name:		Chien-Hao CHEN		
Filer:		Joe McKinney Muncy/Constance Scott		
Attorney Docket Number:		5900/0619PUS1		
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
UTILITY APPL ISSUE FEE	2501	1	500	500

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				500

Electronic Acknowledgement Receipt	
EFS ID:	39389516
Application Number:	16403867
International Application Number:	
Confirmation Number:	5828
Title of Invention:	ILLUMINATION FAN CONNECTABLE WITH AT LEAST ONE ILLUMINATION FAN FOR A COMPUTER
First Named Inventor/Applicant Name:	Chien-Hao CHEN
Customer Number:	60601
Filer:	Joe McKinney Muncy/Constance Scott
Filer Authorized By:	Joe McKinney Muncy
Attorney Docket Number:	5900/0619PUS1
Receipt Date:	08-MAY-2020
Filing Date:	06-MAY-2019
Time Stamp:	13:14:18
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$ 500
RAM confirmation Number	E202058D14478844
Deposit Account	503828
Authorized User	Constance Scott
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.20 (Post Issuance fees)	

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	2020-05-08-IF_Transmittal.pdf	109969	no	1
			63b3cfd78954067260ed28f185312b0df8904f49		
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30194	no	2
			0e41c9f519abb22c21ce51bd7246e01d55367c62		
Warnings:					
Information:					
Total Files Size (in bytes):			140163		
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					



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NOTICE OF ALLOWANCE AND FEE(S) DUE

60601 7590 04/13/2020
Muncy, Geissler, Olds & Lowe, P.C.
4000 Legato Road
Suite 310
Fairfax, VA 22033

EXAMINER

TRUONG, BAO Q

ART UNIT

PAPER NUMBER

2875

DATE MAILED: 04/13/2020

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/403,867	05/06/2019	Chien-Hao CHEN	5900/0619PUS1	5828

TITLE OF INVENTION: ILLUMINATION FAN CONNECTABLE WITH AT LEAST ONE ILLUMINATION FAN FOR A COMPUTER

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$500	\$0.00	\$0.00	\$500	07/13/2020

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Maintenance fees are due in utility patents issuing on applications filed on or after Dec. 12, 1980. It is patentee's responsibility to ensure timely payment of maintenance fees when due. More information is available at www.uspto.gov/PatentMaintenanceFees.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

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CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

60601 7590 04/13/2020
Muncy, Geissler, Olds & Lowe, P.C.
4000 Legato Road
Suite 310
Fairfax, VA 22033

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/403,867	05/06/2019	Chien-Hao CHEN	5900/0619PUS1	5828

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EXAMINER	ART UNIT	CLASS-SUBCLASS
TRUONG, BAO Q	2875	362-294000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-09 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. Fees submitted: ☐ Issue Fee ☐ Publication Fee (if required) ☐ Advance Order - # of Copies _____

4b. Method of Payment: (Please first reapply any previously paid fee shown above)

☐ Electronic Payment via EFS-Web ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

5. **Change in Entity Status** (from status indicated above)

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



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UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/403,867	05/06/2019	Chien-Hao CHEN	5900/0619PUS1	5828
60601	7590	04/13/2020	EXAMINER	
Muncy, Geissler, Olds & Lowe, P.C.			TRUONG, BAO Q	
4000 Legato Road			ART UNIT	
Suite 310			PAPER NUMBER	
Fairfax, VA 22033			2875	

DATE MAILED: 04/13/2020

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.** Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 16/403,867	Applicant(s) CHEN, Chien-Hao	
	Examiner BAO Q. TRUONG	Art Unit 2875	AIA (FITF) Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 5/6/2019.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☒ The allowed claim(s) is/are 1-5 . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
Certified copies:
a) ☒ All b) ☐ Some *c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)	5. ☐ Examiner's Amendment/Comment
2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.	6. ☒ Examiner's Statement of Reasons for Allowance
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.	7. ☐ Other _____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. _____.	

/BAO Q. TRUONG/ Primary Examiner, Art Unit 2875	
--	--

Notice of Pre-AIA or AIA Status

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Reasons for Allowance

Claims 1-5 are allowed.

The following is an examiner's statement of reasons for allowance:

Claim 1 recites an illumination fan connectable with another illumination fan including a power socket and a first connector on one side of a body of an illumination fan, and a second connector on another side of the body of the illumination fan, and when the first connector of the body of the illumination fan is connected with a second connector of a body of the other illumination fan, a fan and an illumination area of the body of the other illumination fan are respectively driven into rotation and illumination.

Claims 2-5 depend on claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BAO Q TRUONG whose telephone number is (571)272-2383. The examiner can normally be reached on M-F 6 am - 2 pm.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an

interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Diane I Lee can be reached on 571 272 2399. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <https://ppair-my.uspto.gov/pair/PrivatePair>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

BAO Q. TRUONG
Primary Examiner
Art Unit 2875

/BAO Q TRUONG/
Primary Examiner, Art Unit 2875

Notice of References Cited	Application/Control No. 16/403,867		Applicant(s)/Patent Under Reexamination CHEN, Chien-Hao	
	Examiner BAO Q. TRUONG		Art Unit 2875	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20060012973-A1	01-2006	Lin; Jen-Cheng	F04D25/0613	362/96
*	B	US-7332841-B2	02-2008	Hsu; Sam	H02K7/14	310/261.1
*	C	US-20190242688-A1	08-2019	HUANG; Chih-Chia	G01D11/245	1/1
*	D	US-20190301473-A1	10-2019	KATO; Yoshihiko	F04D25/08	1/1
*	E	US-20110116234-A1	05-2011	YE; ZHEN-XING	G06F1/20	361/695
*	F	US-20040115986-A1	06-2004	Chen, Li Ping	F04D29/601	439/485
*	G	US-20170331346-A1	11-2017	LAI; WEN-HSIEN	F04D25/0693	1/1
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

U.S. Patent and Trademark Office
PTO-892 (Rev. 01-2001)

Notice of References Cited

Part of Paper No. 20200408

<i>Search Notes</i> 	Application/Control No. 16/403,867	Applicant(s)/Patent Under Reexamination CHEN, Chien-Hao
	Examiner BAO Q TRUONG	Art Unit 2875

CPC - Searched*		
Symbol	Date	Examiner
F21V33/0096; H05K7/20172; H05K7/20136; H05K7/20; H05K7/202; F21V29/60; F21V29/67; F21V29/673; F21V29/677.	04/08/2020	BQT

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
INventor search, CPCs with text search, PLUS search, back/forward search.	04/08/2020	BQT

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
	Pg-Pub USAPT text search see printout.	04/08/2020	BQT

/BAO Q TRUONG/ Primary Examiner, Art Unit 2875	
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Issue Classification 	Application/Control No. 16/403,867	Applicant(s)/Patent Under Reexamination CHEN, Chien-Hao
	Examiner BAO Q TRUONG	Art Unit 2875

CPC						
Symbol					Type	Version
F21V		33		0096	F	2013-01-01
H05K		7		20172	I	2013-01-01

CPC Combination Sets					
Symbol			Type	Set	Ranking

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 5	
/BAO Q TRUONG/ Primary Examiner, Art Unit 2875 (Primary Examiner) _____ (Date) _____		O.G. Print Claim(s) 1	O.G. Print Figure 2

Issue Classification 	Application/Control No. 16/403,867	Applicant(s)/Patent Under Reexamination CHEN, Chien-Hao
	Examiner BAO Q TRUONG	Art Unit 2875

INTERNATIONAL CLASSIFICATION			
CLAIMED			
H05K7/20		7	20
NON-CLAIMED			

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS

CROSS REFERENCES(S)						
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	5	
/BAO Q TRUONG/	08 April 2020	O.G. Print Claim(s)	O.G. Print Figure
Primary Examiner, Art Unit 2875	(Date)	1	2

Issue Classification 	Application/Control No. 16/403,867	Applicant(s)/Patent Under Reexamination CHEN, Chien-Hao
	Examiner BAO Q TRUONG	Art Unit 2875

☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47															
CLAIMS															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
	1														
	2														
	3														
	4														
	5														

NONE	Total Claims Allowed:	
(Assistant Examiner)	(Date)	5
/BAO Q TRUONG/ Primary Examiner, Art Unit 2875	08 April 2020	O.G. Print Claim(s) 1
(Primary Examiner)	(Date)	O.G. Print Figure 2



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 Alexandria, Virginia 22313-1450
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BIB DATA SHEET

CONFIRMATION NO. 5828

SERIAL NUMBER 16/403,867	FILING or 371(c) DATE 05/06/2019 RULE	CLASS 362	GROUP ART UNIT 2875	ATTORNEY DOCKET NO. 5900/0619PUS1		
APPLICANTS INVENTORS Chien-Hao CHEN, Yilan County, TAIWAN; ** CONTINUING DATA ***** ** FOREIGN APPLICATIONS ***** TAIWAN 107217659 12/26/2018 ** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** ** SMALL ENTITY ** 05/15/2019						
Foreign Priority claimed ☒ Yes ☐ No 35 USC 119(a-d) conditions met ☒ Yes ☐ No Verified and Acknowledged <u>/BAO Q TRUONG/</u> Examiner's Signature		☐ Met after Allowance Initials	STATE OR COUNTRY TAIWAN	SHEETS DRAWINGS 5	TOTAL CLAIMS 5	INDEPENDENT CLAIMS 1
ADDRESS Muncy, Geissler, Olds & Lowe, P.C. 4000 Legato Road Suite 310 Fairfax, VA 22033 UNITED STATES						
TITLE ILLUMINATION FAN CONNECTABLE WITH AT LEAST ONE ILLUMINATION FAN FOR A COMPUTER						
FILING FEE RECEIVED 785	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit			

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	218	(chen same chien-hao).in.	US-PGPUB; USPAT; USOCR	OR	ON	2020/04/08 06:25
L2	7	l1 and yilan	US-PGPUB; USPAT; USOCR	OR	ON	2020/04/08 06:26
L3	389	F21V33/0096.CPC. and fan	US-PGPUB; USPAT; USOCR	OR	ON	2020/04/08 06:37
L4	12	("20030231956" "20050244309" "6790003").PN. OR ("7037073").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/04/08 07:47
L5	1773	H05K7/20172.CPC. and fan	US-PGPUB; USPAT; USOCR	OR	ON	2020/04/08 08:04
L6	1736	H05K7/20172.CPC. and @ad<"20190506" and fan	US-PGPUB; USPAT; USOCR	OR	ON	2020/04/08 08:04
L7	1089	l6 and connect\$4 and (computer computing microprocessor processor)	US-PGPUB; USPAT; USOCR	OR	ON	2020/04/08 08:05
L8	659	H05K7/20136.CPC. and @ad<"20190506" and fan and connect\$4	US-PGPUB; USPAT; USOCR	OR	ON	2020/04/08 09:33

L9	48	("6113285" "6217205" "6217205" "4504888" "4796166" "4878112" "4947296" "5187981" "5195505" "5323271" "5404652" "5508782" "5761551" "5802227" "5852697" "6030088" "6037876" "6075650" "6275211" "6402346" "6482150" "6522078" "6762820" "6834985" "7201489" "7255460" "7524089" "8011788" "8011788" "8408742" "8692444" "9046255" "9188322" "9239144" "9300929" "9427759" "9674901" "9733555" "10006601" "10118013" "10206338" "10302294" "10352537" "20020022768" "20020036760" "20030107897" "20050174780" "20060215408" "20070024815" "20070130533").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2020/04/08 09:59
L10	646	H05K7/20.CPC. and @ad<"20190506" and fan and connect\$4	US-PGPUB; USPAT; USOCR	OR	ON	2020/04/08 10:11
L11	159	H05K7/202.CPC. and @ad<"20190506" and fan and connect\$4	US-PGPUB; USPAT; USOCR	OR	ON	2020/04/08 10:33
L12	256	F21V29/60.CPC. and @ad<"20190506" and fan and connect\$4	US-PGPUB; USPAT; USOCR	OR	ON	2020/04/08 10:47
L13	870	F21V29/67.CPC. and @ad<"20190506" and fan and connect\$4	US-PGPUB; USPAT; USOCR	OR	ON	2020/04/08 11:22
L14	299	F21V29/673.CPC. and @ad<"20190506" and fan and connect\$4	US-PGPUB; USPAT; USOCR	OR	ON	2020/04/08 12:00
L15	599	F21V29/677.CPC. and @ad<"20190506" and fan and connect\$4	US-PGPUB; USPAT; USOCR	OR	ON	2020/04/08 12:15
L16	346	l15 not l14 not l13	US-PGPUB;	OR	ON	2020/04/08 12:15

			USPAT; USOCR			
L17	7	(illumination adj fan).ab.	US- PGPUB; USPAT; USOCR	OR	ON	2020/04/08 12:31
L18	28647	(fan).ti.	US- PGPUB; USPAT; USOCR	OR	ON	2020/04/08 12:31
L19	422	l18 and (connector coupler).ab.	US- PGPUB; USPAT; USOCR	OR	ON	2020/04/08 12:32
L20	5	("20110255238" "20140029191" "20170314777" "6795314" "7920381").PN. OR ("10184478").URPN.	US- PGPUB; USPAT; USOCR	OR	OFF	2020/04/08 12:34
L21	6	(illuminat\$4 and fan and side and connector and area and power and top).clm.	US- PGPUB; USPAT; USOCR	OR	ON	2020/04/08 12:52
L22	12787	(illuminat\$4 and fan and side and connector and area and power and top)	US- PGPUB; USPAT; USOCR	OR	ON	2020/04/08 12:52
L23	13	l22 and (illuminat\$4 adj fan)	US- PGPUB; USPAT; USOCR	OR	ON	2020/04/08 12:53
L25	346	(illuminat\$4 adj fan)	US- PGPUB; USPAT; USOCR	OR	ON	2020/04/08 12:54
L26	297	(first adj fan) same (second adj fan) same (connector coupler)	US- PGPUB; USPAT; USOCR	OR	ON	2020/04/08 13:06

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L24	6	(illumina\$4 and fan and side and connector and area and power and top).clm.	US-PGPUB; USPAT	OR	ON	2020/04/08 12:54

4/8/2020 1:21:36 PM**C:\Users\btruong\Documents\EAST\Workspaces\illumination.wsp**

PLUS Search Results for S/N 16403867, Searched Wed Apr 08 09:41:06 EDT 2020
The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

6113285 99	20070130533 99
6217205 99	
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4504888 99	
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20050174780 99	
20060215408 99	
20070024815 99	



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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
16/403,867	05/06/2019	2875	785	5900/0619PUS1	5	1

CONFIRMATION NO. 5828

FILING RECEIPT



0000000108231539

60601

Muncy, Geissler, Olds & Lowe, P.C.
4000 Legato Road
Suite 310
Fairfax, VA 22033

Date Mailed: 05/17/2019

Receipt is acknowledged of this non-provisional utility patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF FIRST INVENTOR, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection.

Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a "Notice to File Missing Parts" or other Notice requiring a response for this application, please submit any request for correction to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections provided that the request is grantable.

Inventor(s)

Chien-Hao CHEN, Yilan County, TAIWAN;

Applicant(s)

Chien-Hao CHEN, Yilan County, TAIWAN;

Power of Attorney: The patent practitioners associated with Customer Number 60601

Domestic Applications for which benefit is claimed - None.

A proper domestic benefit claim must be provided in an Application Data Sheet in order to constitute a claim for domestic benefit. See 37 CFR 1.76 and 1.78.

Foreign Applications (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.)

TAIWAN 107217659 12/26/2018

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 05/15/2019

page 1 of 3

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 16/403,867**

Projected Publication Date: 07/02/2020

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

ILLUMINATION FAN CONNECTABLE WITH AT LEAST ONE ILLUMINATION FAN FOR A
COMPUTER

Preliminary Class

362

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 16/403,867				
APPLICATION AS FILED - PART I										
(Column 1)		(Column 2)		SMALL ENTITY		OTHER THAN SMALL ENTITY				
FOR	NUMBER FILED	NUMBER EXTRA	RATE(\$)	FEE(\$)		RATE(\$)	FEE(\$)			
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	75		N/A				
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	330		N/A				
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	380		N/A				
TOTAL CLAIMS (37 CFR 1.16(j))	5	minus 20 = *	x 50 =	0.00	OR					
INDEPENDENT CLAIMS (37 CFR 1.16(h))	1	minus 3 = *	x 230 =	0.00						
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			0.00						
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0.00						
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL		TOTAL				
				785						
APPLICATION AS AMENDED - PART II										
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OTHER THAN SMALL ENTITY		
AMENDMENT A		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x	=	OR	x	=
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x	=	OR	x	=
	Application Size Fee (37 CFR 1.16(s))							OR		
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	
AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x	=	OR	x	=
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x	=	OR	x	=
	Application Size Fee (37 CFR 1.16(s))							OR		
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3". The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.										



中華民國經濟部智慧財產局

INTELLECTUAL PROPERTY OFFICE
MINISTRY OF ECONOMIC AFFAIRS
REPUBLIC OF CHINA

茲證明所附文件，係本局存檔中原申請案的副本，正確無訛，
其申請資料如下：

This is to certify that annexed is a true copy from the records of this office of
the application as originally filed which is identified hereunder：

申請 日：西元 2018 年 12 月 26 日
Application Date Dec. 26, 2018

申請 案 號：107217659
Application No.

申請 人：陳建豪
Applicant(s)

新 型 創 作 人：陳建豪
Inventor(s)

局 長
Director General

洪淑敏

西元 2019 年 04 月 09 日
Apr. 9, 2019



新型摘要

【新型名稱】(中文/英文) 可多組連接之電腦用發光風扇

【中文】

一種可多組連接之電腦用發光風扇，包括一本體，其本體中央位置設有一扇葉，該本體頂部於該扇葉至少兩側位置上係設有一發光區域，而該本體一側則設有一電源插座以及一第一連接器，該本體另側則設有一第二連接器，且該電源插座係分別與該第一連接器、第二連接器、扇葉及發光區域電性連接，藉以使該本體一側之電源插座插電後，可驅動該本體之扇葉轉動以及該發光區域發光，且該本體之第一連接器與另一本體之第二連接器接合後，可驅動另一本體之扇葉轉動以及該發光區域發光。

【英文】

【代表圖】

【本案指定代表圖】：第（ 1 ）圖。

【本代表圖之符號簡單說明】：

- 1：本體
- 2：扇葉
- 3：發光區域
- 4：電源插座
- 5：第一連接器
- 51：導通端子
- 6：第二連接器
- 61：導電接觸面
- 7：卡槽
- 8：卡塊

新型專利說明書

(本說明書格式、順序，請勿任意更動)

【新型名稱】(中文/英文)

可多組連接之電腦用發光風扇

【技術領域】

【0001】 本創作係有關一種結構簡單、可多組連接之電腦用發光風扇，特別適用於桌上型電腦之使用者。

【先前技術】

【0002】 近年來，計算機裝置發展日新月異，隨著時代演進，何處都可見到計算機裝置的應用，成為今日所稱的電腦。電腦具有多種執行、計算的功能，能夠滿足人們的需求。例如個人電腦於家庭生活中具有娛樂、文書處理、影像播放等功能。工業電腦為工廠運作提供控管、監督及運算等服務，車用電腦提供駕駛者與乘客多媒體娛樂，以及即時接收資訊的功能。整體來說，電腦已成為人類社會生活不可或缺的裝置。

【0003】 又，隨著電腦規格需求日益提高，因此電腦機殼內部的散熱也越來越受到重視，因此使用者在組裝時，大多會以增加風扇之設置，來將電腦機殼內累積的熱能向外排出。然而，每個風扇皆必須利用獨立的電源線去連接電源器供應器，因此在電源供應器提供有限之電源連接數量，風扇能組裝的數量勢必也受到影響，使得散熱之效能大打折扣，且亦造成電腦機殼內部線路增加後，拉線或理線之困難。

【新型內容】

【0004】 有鑑於此，為了提供一種有別於習用技術之結構，提高電腦

機殼內部之散熱效率，本創作人積多年的經驗及不斷的研發改進，遂有本創作之產生。

【0005】 本創作之主要目的在提供一種結構簡單、可多組連接之電腦用發光風扇。

【0006】 為達上述之目的，本創作所設之一種可多組連接之電腦用發光風扇，包括一本體，其本體中央位置設有一扇葉，該本體頂部於該扇葉至少兩側位置上係設有一發光區域，而該本體一側則設有一電源插座以及一第一連接器，該本體另側則設有一第二連接器，且該電源插座係分別與該第一連接器、第二連接器、扇葉及發光區域電性連接，藉以使該本體一側之電源插座插電後，可驅動該本體之扇葉轉動以及該發光區域發光，且該本體之第一連接器與另一本體之第二連接器接合後，可驅動另一本體之扇葉轉動以及該發光區域發光。

【0007】 實施時，該第一連接器係設有導通端子，而第二連接器則設有可與該導通端子電性連接之導電接觸面，使得該本體之第一連接器與另一本體之第二連接器接合後，可驅動另一本體之扇葉轉動以及該發光區域發光。

【0008】 實施時，該本體與另一本體連接後，該兩本體之發光區域可形成一連續之發光區域。

【0009】 實施時，該本體一側設有一卡槽，另一側則設有可卡入該卡槽之卡塊，藉以使該本體之卡槽與另一本體之卡塊卡合後，形成該兩本體之結合。

【0010】 為進一步瞭解本創作，以下舉較佳之實施例，配合圖式、圖

號，將本創作之具體構成內容及其所達成的功效詳細說明如下。

【圖式簡單說明】

【0011】

第1圖係為本創作實施例中本體之外觀示意圖。

第2圖係為本創作實施例中兩本體組合前之示意圖。

第3圖係為本創作實施例中多個本體組合後之外觀示意圖。

【實施方式】

【0012】 請參閱第1~3圖，其為本創作可多組連接之電腦用發光風扇之一實施例。

【0013】 本創作所設之一種可多組連接之電腦用發光風扇，包括一本體1，其本體1中央位置設有一扇葉2，該本體1頂部於該扇葉2至少兩側位置上係設有一發光區域3，而該本體1一側則設有一電源插座4以及一第一連接器5，該本體1另側則設有一第二連接器6，且該電源插座4係分別與該第一連接器5、第二連接器6、扇葉2及發光區域3電性連接。

【0014】 藉此，該本體一側之電源插座4插電後，可驅動該本體1之扇葉2轉動以及該發光區域3發光。

【0015】 而當組合兩本體1而欲形成多組風扇時（如第2、3圖所示），該第一連接器5係設有導通端子51，而第二連接器6則設有可與該導通端子51電性連接之導電接觸面61，使得該本體1之第一連接器5與另一本體1之第二連接器6接合後，可驅動另一本體1之扇葉2轉動以及該發光區域3發光，且該本體1與另一本體1連接後，該兩本體1之發光區域3可形成一連續之發光區域3。又，該本體1一側設有一卡槽7，另一側則設有可卡入該卡槽7之卡塊8，

藉以使該本體1之卡槽7與另一本體1之卡塊8卡合後，形成該兩本體1之結合。

【0016】 因此，組合後，原本兩個可獨立使用的風扇即可組合在一起，並藉由其中一個本體之電源插座與電腦的電源供應器連接取得電源後，即可同步驅動該兩本體的扇葉轉動以及發光區域發光，可大幅減少電源供應器電源連接線不足之問題，以及減少電腦內部過多線路之問題，且透過本創作之組合設計，可提高電腦內部任一位置需要較大風量散熱之效率。

【0017】 以上所述乃是本創作之具體實施例及所運用之技術手段，根據本文的揭露或教導可衍生推導出許多的變更與修正，仍可視為本創作之構想所作之等效改變，其所產生之作用仍未超出說明書及圖式所涵蓋之實質精神，均應視為在本創作之技術範疇之內，合先陳明。

【0018】 綜上所述，依上文所揭示之內容，本創作確可達到新型之預期目的，提供一種結構簡單且成本低之可多組連接之電腦用發光風扇，極具實用性與產業上利用之價值，爰依法提出新型專利申請。

【符號說明】

【0019】

- 1：本體
- 2：扇葉
- 3：發光區域
- 4：電源插座
- 5：第一連接器
- 51：導通端子

6：第二連接器

61：導電接觸面

7：卡槽

8：卡塊

申請專利範圍

- 1、一種可多組連接之電腦用發光風扇，包括：

一本體，其本體中央位置設有一扇葉，該本體頂部於該扇葉至少兩側位置上係設有一發光區域，而該本體一側則設有一電源插座以及一第一連接器，該本體另側則設有一第二連接器，且該電源插座係分別與該第一連接器、第二連接器、扇葉及發光區域電性連接，藉以使該本體一側之電源插座插電後，可驅動該本體之扇葉轉動以及該發光區域發光，且該本體之第一連接器與另一本體之第二連接器接合後，可驅動另一本體之扇葉轉動以及該發光區域發光。
- 2、如申請專利範圍第1項所述之可多組連接之電腦用發光風扇，其中該第一連接器係設有導通端子，而第二連接器則設有可與該導通端子電性連接之導電接觸面，使得該本體之第一連接器與另一本體之第二連接器接合後，可驅動另一本體之扇葉轉動以及該發光區域發光。
- 3、如申請專利範圍第1項所述之可多組連接之電腦用發光風扇，其中該本體與另一本體連接後，該兩本體之發光區域可形成一連續之發光區域。
- 4、如申請專利範圍第1項所述之可多組連接之電腦用發光風扇，其中該本體一側設有一卡槽，另一側則設有可卡入該卡槽之卡塊，藉以使該本體之卡槽與另一本體之卡塊卡合後，形成該兩本體之結合。

圖式

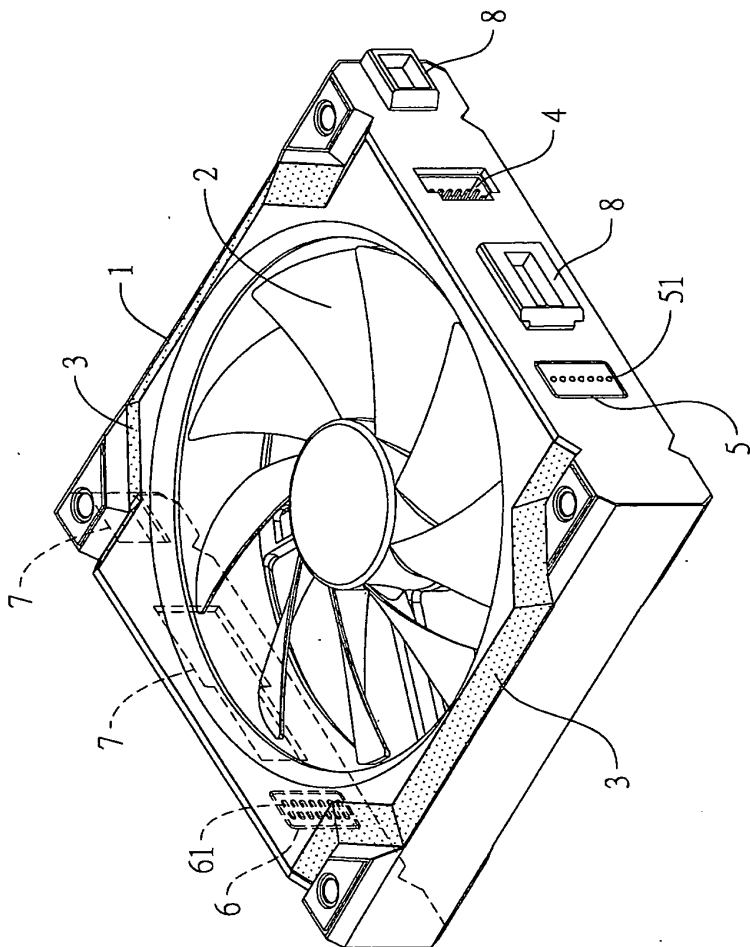
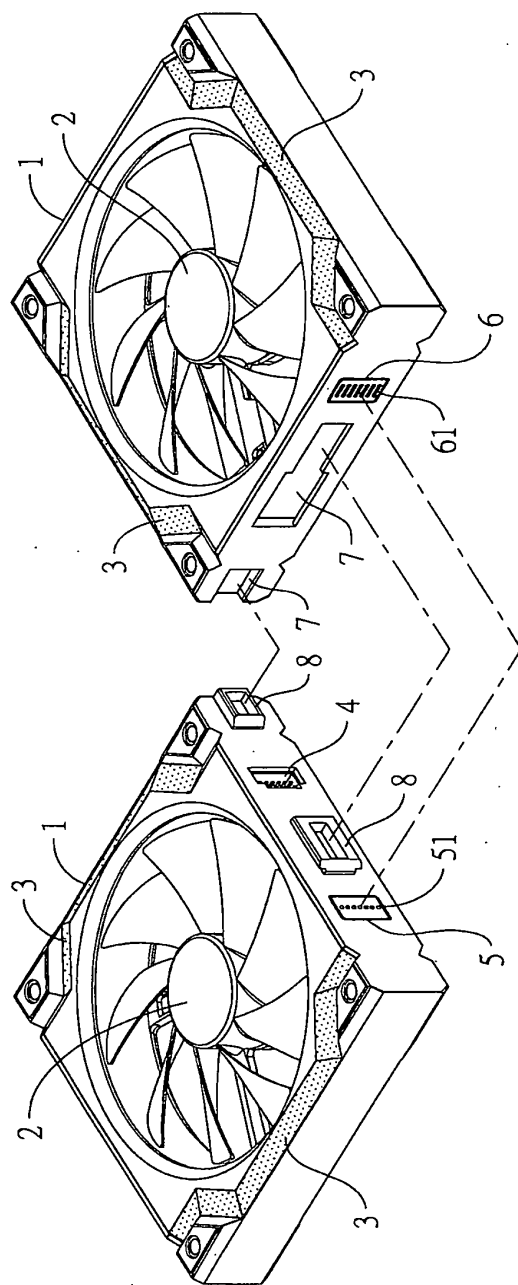
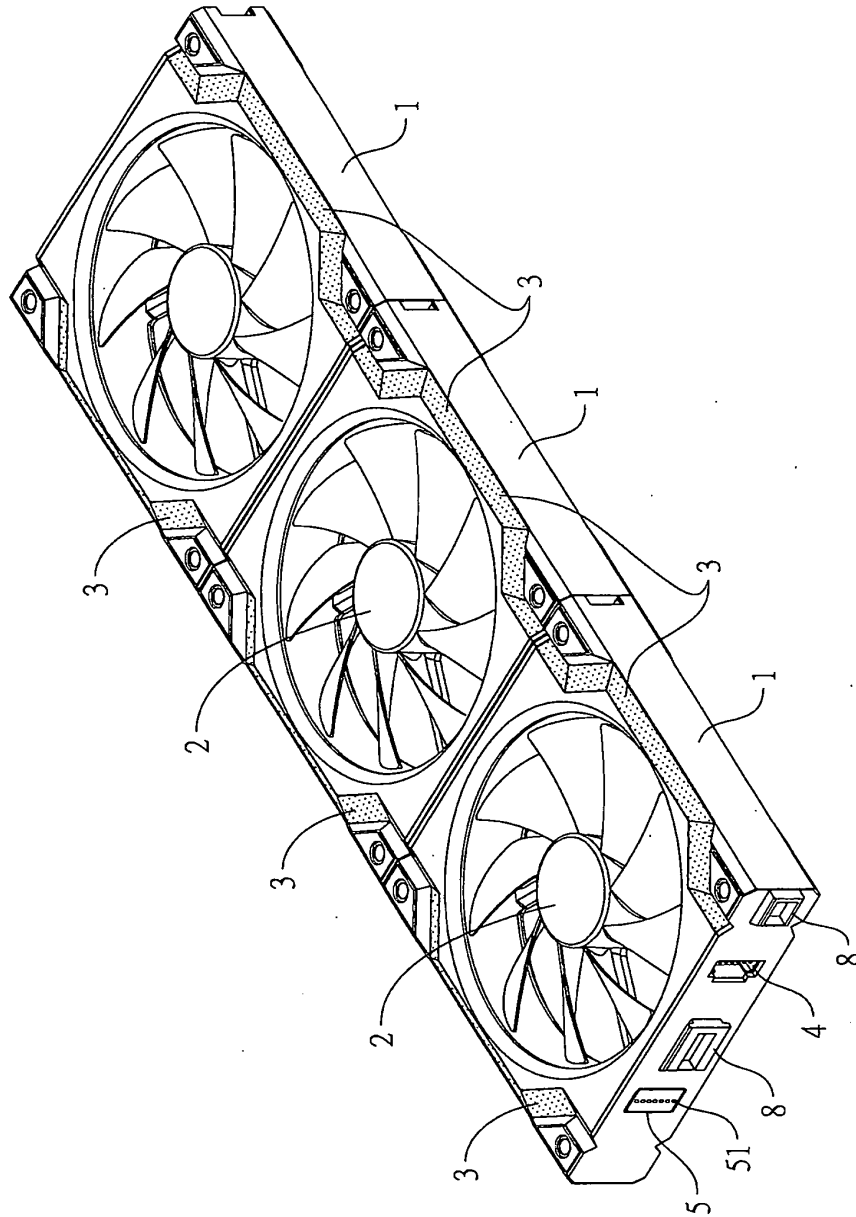


圖
一
錄

申請案號：107217659



第 2 圖



第3圖

申請案號：107217659



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PTO/SB/21 (10-08)

Approved for use through 11/30/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	16/403,867
	Filing Date	May 6, 2019
	First Named Inventor	CHEN, Chien-Hao
	Art Unit	
	Examiner Name	
Total Number of Pages in This Submission	Attorney Docket Number	5900/0619PUS1

ENCLOSURES (Check all that apply)		
☐ Fee Transmittal Form ☐ Fee Attached ☐ Amendment / Reply ☐ After Final ☐ Affidavits/declaration(s) ☐ Extension of Time Request ☐ Express Abandonment Request ☐ Information Disclosure Statement ☒ Certified Copy of Priority Document(s) ☐ Reply to Missing Parts/ Incomplete Application ☐ Reply to Missing Parts under 37 CFR 1.52 or 1.53	☐ Drawing(s) ☐ Licensing-related Papers ☐ Petition ☐ Petition to Convert to a Provisional Application ☐ Power of Attorney, Revocation Change of Correspondence Address ☐ Terminal Disclaimer ☐ Request for Refund ☐ CD, Number of CD(s) _____ ☐ Landscape Table on CD	☐ After Allowance communication to (TC) ☐ Appeal Communication to Board of Appeals and Interferences ☐ Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) ☐ Proprietary Information ☐ Status Letter ☐ Other Enclosure(s) (please identify below):
Remarks A certified copy of Taiwan 107217659 filed on 26 Dec 2018 is attached hereto. A claim for priority to this application is made under 35 U.S.C. § 119.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Muncy, Geissler, Olds & Lowe, P.C.		
Signature			
Printed name	Joe McKinney Muncy ROBERT F. GNUSE		
Date	May 14, 2019	Registration #27295	Reg. No. 32334

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Signature	ROBERT F. GNUSE		
Typed or printed name	Joe McKinney Muncy	Registration #27295	Date May 14, 2019

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Doc Code: PA..

Document Description: Power of Attorney

PTO/AIA/82A (07-13)

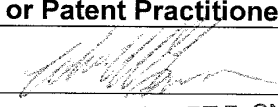
Approved for use through 11/30/2014. OMB 0651-0051

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TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA/82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	16/403,867		
Filing Date	May 6, 2019		
First Named Inventor	Chien-Hao CHEN		
Title	ILLUMINATION FAN CONNECTABLE WITH AT LEAST ONE ILLUMINATION FAN FOR A COMPUTER		
Art Unit	2875		
Examiner Name			
Attorney Docket Number	5900/0619PUS1		
SIGNATURE of Applicant or Patent Practitioner			
Signature			Date (Optional) May 14, 2019
Name	Joe McKinney Muncy ROBERT F. GNUSE Registration #27295		Registration Number 32,334
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			
NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.			
☐ *Total of _____ forms are submitted.			

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Doc Code: PA..

Document Description: Power of Attorney

PTO/AIA/82B (07-13)

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POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number	Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)

☒ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above:

60601

OR

☐ I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:

☒ The address associated with the above-mentioned Customer Number

OR

☐ The address associated with Customer Number:

OR

Firm or Individual Name	Muncy, Geissler, Olds & Lowe, P.C.				
Address	4000 Legato Rd., Suite 310				
City	Fairfax	State	VA	Zip	22033
Country	US				
Telephone	703-621-7140	Email	mailroom@mg-ip.com		

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

--

☒ Inventor or Joint Inventor (title not required below)

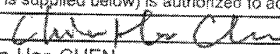
☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)

☐ Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)

☐ Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature		Date (Optional)	3/2/18
Name	Chien-Hao CHEN		
Title	Applicant, Sole Inventor		

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.

☐ Total of forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: CHEN, Chien-Hao	Examiner:
Application No.: 16/403,867	Art Unit:
Filed: 6 May 2019	Confirmation Number: 5828
Title: ILLUMINATION FAN CONNECTABLE WITH AT LEAST ONE ILLUMINATION FAN FOR A COMPUTER	
Attorney Docket No.: 5900/0619PUS1	

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

LETTER SUBMITTING POWER OF ATTORNEY

Dear Sir:

The following documents are being submitted concurrently herewith:

☒ Power of Attorney

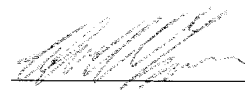
It is respectfully requested that the U.S. Patent and Trademark Office update their records to reflect the new attorney and correspondence address of record.

Should there remain unresolved issues that require action, it is respectfully requested that the Examiner telephone Joe McKinney Muncy, Applicants' Attorney, at 703.621.7140 so that such issues may be resolved as expeditiously as possible.

Date: May 14, 2019

Respectfully submitted,

Muncy, Geissler, Olds & Lowe, P.C.
4000 Legato Rd., Suite 310
Fairfax, VA 22033
Tel. 703.621.7140
mailroom@mg-ip.com



Joe McKinney Muncy
Attorney/Agent for Applicant(s)
Reg. No. 32334
ROBERT F. GNUSE
Registration #27295

Electronic Acknowledgement Receipt	
EFS ID:	36006200
Application Number:	16403867
International Application Number:	
Confirmation Number:	5828
Title of Invention:	ILLUMINATION FAN CONNECTABLE WITH AT LEAST ONE ILLUMINATION FAN FOR A COMPUTER
First Named Inventor/Applicant Name:	Chien-Hao CHEN
Customer Number:	60601
Filer:	Joe McKinney Muncy/Carolyn Lewis
Filer Authorized By:	Joe McKinney Muncy
Attorney Docket Number:	5900/0619PUS1
Receipt Date:	14-MAY-2019
Filing Date:	
Time Stamp:	13:30:16
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment		no			
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		2019-05-14-619-Ltr-w-POA.pdf	626025	yes	3
			2e0ae4cf282ab153488c66e8586959cf9d8a7ac9		

	Multipart Description/PDF files in .zip description		
	Document Description	Start	End
	Power of Attorney	2	3
	Miscellaneous Incoming Letter	1	1
Warnings:			
Information:			
Total Files Size (in bytes):		626025	
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.			



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY.DOCKET NO./TITLE	REQUEST ID
16/403,867	05/06/2019	Chien-Hao CHEN	5900/0619PUS1	87699

Acknowledgement of Change to Small Entity Status

The entity status change request below filed through Private PAIR on 05/14/2019 has been accepted.

CERTIFICATIONS:

Change of Entity Status:

× Applicant asserting small entity status. See 37 CFR 1.27.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

This portion must be completed by the signatory or signatories making the entity status change in accordance with 37 CFR 1.4(d)(4).

Signature:	/Joe McKinney Muncy/
Name:	Joe McKinney Muncy
Registration Number:	32334

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UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b))	Attorney Docket No.	5900/0619PUS1
	First Named Inventor	CHEN, Chien-Hao
	Title	ILLUMINATION FAN CONNECTABLE...
	Priority Mail Express® Label No.	

APPLICATION ELEMENTS <i>See MPEP chapter 600 concerning utility patent application contents.</i>	Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450
1. ☒ Fee Transmittal Form (PTO/SB/17 or equivalent)	ACCOMPANYING APPLICATION PAPERS
2. ☒ Applicant asserts small entity status. See 37 CFR 1.27	10. ☐ Assignment Papers (cover sheet & document(s)) Name of Assignee _____
3. ☐ Applicant certifies micro entity status. See 37 CFR 1.29. Applicant must attach form PTO/SB/15A or B or equivalent.	11. ☐ 37 CFR 3.73(c) Statement ☐ Power of Attorney (when there is an assignee)
4. ☒ Specification [Total Pages <u>8</u>] Both the claims and abstract must start on a new page. (See MPEP § 608.01(a) for information on the preferred arrangement)	12. ☐ English Translation Document (if applicable)
5. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets <u>5</u>]	13. ☐ Information Disclosure Statement (PTO/SB/08 or PTO-1449) ☐ Copies of citations attached
6. Inventor's Oath or Declaration [Total Pages <u>1</u>] (including substitute statements under 37 CFR 1.64 and assignments serving as an oath or declaration under 37 CFR 1.63(e))	14. ☐ Preliminary Amendment
a. ☒ Newly executed (original or copy)	15. ☐ Return Receipt Postcard (MPEP § 503) (Should be specifically itemized)
b. ☐ A copy from a prior application (37 CFR 1.63(d))	16. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
7. ☒ Application Data Sheet * See note below. See 37 CFR 1.76 (PTO/AIA/14 or equivalent)	17. ☐ Nonpublication Request Under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or equivalent.
8. CD-ROM or CD-R in duplicate, large table, or Computer Program (Appendix) ☐ Landscape Table on CD	18. ☐ Other: _____
9. Nucleotide and/or Amino Acid Sequence Submission (if applicable, items a. -- c. are required)	
a. ☐ Computer Readable Form (CRF)	
b. ☐ Specification Sequence Listing on:	
i. ☐ CD-ROM or CD-R (2 copies); or	
ii. ☐ Paper	
c. ☐ Statements verifying identity of above copies	

***Note:** (1) Benefit claims under 37 CFR 1.78 and foreign priority claims under 1.55 **must** be included in an Application Data Sheet (ADS).
(2) For applications filed under 35 U.S.C. 111, the application must contain an ADS specifying the applicant if the applicant is an assignee, person to whom the inventor is under an obligation to assign, or person who otherwise shows sufficient proprietary interest in the matter. See 37 CFR 1.46(b).

19. CORRESPONDENCE ADDRESS					
☒ The address associated with Customer Number: <u>60601</u> OR ☐ Correspondence address below					
Name	Muncy, Geissler, Olds & Lowe, P.C.				
Address	4000 Legato Rd., Suite 310				
City	Fairfax	State	VA	Zip Code	22033
Country	US	Telephone	703-621-7140	Email	mailroom@mg-ip.com
Signature				Date	May 6, 2019
Name (Print/Type)	Joe McKinney Muncy Registration #27295			Registration No. (Attorney/Agent)	32,334

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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FEE TRANSMITTAL		Complete if known	
		Application Number	NEW
☒ Applicant asserts small entity status. See 37 CFR 1.27.		Filing Date	May 6, 2019
☐ Applicant certifies micro entity status. See 37 CFR 1.29. Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously.		First Named Inventor	CHEN, Chien-Hao
		Examiner Name	
		Art Unit	
TOTAL AMOUNT OF PAYMENT	(\$ 785)	Practitioner Docket No.	5900/0619PUS1

METHOD OF PAYMENT (check all that apply)

☐ Check ☒ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☒ Deposit Account Deposit Account Number: 50-3828 Deposit Account Name: MG-IP

For the above-identified deposit account, the Director is hereby authorized to (check all that apply):

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 ☐ Credit any overpayment of fee(s)

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES (U = undiscounted fee; S = small entity fee; M = micro entity fee)

Application Type	FILING FEES			SEARCH FEES			EXAMINATION FEES			Fees Paid (\$)
	U (\$)	S (\$)	M (\$)	U (\$)	S (\$)	M (\$)	U (\$)	S (\$)	M (\$)	
Utility	300	150*	75	660	330	165	760	380	190	785
Design	200	100	50	160	80	40	600	300	150	
Plant	200	100	50	420	210	105	620	310	155	
Reissue	300	150	75	660	330	165	2,200	1,100	550	
Provisional	280	140	70	0	0	0	0	0	0	

* The \$150 small entity status filing fee for a utility application is further reduced to \$75 for a small entity status applicant who files the application via EFS-Web.

2. EXCESS CLAIM FEES

Fee Description	Undiscounted Fee (\$)	Small Entity Fee (\$)	Micro Entity Fee (\$)
Each claim over 20 (including Reissues)	100	50	25
Each independent claim over 3 (including Reissues)	460	230	115
Multiple dependent claims	820	410	205

Total Claims 5 **Extra Claims** _____ **Fee (\$)** _____ **Fee Paid (\$)** _____
-20 or HP = _____ x _____ = _____
Multiple Dependent Claims
Fee (\$) _____ **Fee Paid (\$)** _____

Indep. Claims 1 **Extra Claims** _____ **Fee (\$)** _____ **Fee Paid (\$)** _____
-3 or HP = _____ x _____ = _____

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$400 (\$200 for small entity) (\$100 for micro entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets 13 **Extra Sheets** _____ **Number of each additional 50 or fraction thereof** _____ **Fee (\$)** _____ **Fee Paid (\$)** _____
- 100 = _____ / 50 = _____ (round up to a whole number) x _____ = _____

4. OTHER FEE(S)

Non-English specification, \$130 fee (no small or micro entity discount) _____

Non-electronic filing fee under 37 CFR 1.16(t) for a utility application, \$400 fee (\$200 small or micro entity) _____

Other (e.g., late filing surcharge): _____

SUBMITTED BY		
Signature	ROBERT PENNOSE 32334 (Attorney/Agent)	Telephone 703-621-7140
Name (Print/Type)	Joe McKinney Muncy Registration #27295	Date May 6, 2019

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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ABSTRACT OF THE DISCLOSURE

An illumination fan connectable with at least one illumination fan for a computer includes a body, provided with a fan in center of the body, an illumination area on at least two sides of the fan at top of the body, a power socket and a first connector on one side of the body, and a second connector on another side of the body. The power socket is electrically connected with the first connector, the second connector, the fan and the illumination area. When the power socket is supplied with power, the fan and the illumination area of the body is respectively driven into rotation and illumination, and when the first connector of the body is connected with a second connector of a body of another illumination fan, a fan and an illumination area of the body of another illumination fan is respectively driven into rotation and illumination.

CLAIMS

What is claimed is:

1. An illumination fan connectable with at least one illumination fan for a computer, comprising:

a body, provided with a fan in center of the body, an illumination area on at least two sides of the fan at top of the body, a power socket and a first connector on one side of the body, and a second connector on another side of the body, wherein the power socket is electrically connected with the first connector, the second connector, the fan and the illumination area, such that when the power socket on the one side of the body is supplied with power, the fan and the illumination area of the body are respectively driven into rotation and illumination, and when the first connector of the body is connected with a second connector of a body of another illumination fan, a fan and an illumination area of the body of another illumination fan are respectively driven into rotation and illumination.

2. The illumination fan connectable with at least one illumination fan for a computer of Claim 1, wherein an electrically conductive terminal is provided in the first connector, and an electrically conductive contact surface is provided in the second connector for being electrically connected with the electrically conductive terminal, such that when the first connector of the body of the illumination fan is connected with the second connector of the body of another illumination fan, the fan and the illumination area of the body of another illumination fan are respectively driven into rotation and illumination.

3. The illumination fan connectable with at least one illumination fan for a computer of Claim 1, wherein when the body of the illumination fan is connected with the body of another illumination fan, the illumination areas of the two bodies form a continuous illumination area.

4. The illumination fan connectable with at least one illumination fan for a computer of Claim

1, wherein a groove is provided on one side of the body of the illumination fan, while an engaging block is provided on another side thereof to be engaged into the groove, such that when the groove of the body of the illumination fan is engaged with the engaging block of the body of another illumination fan, the body of the illumination fan is connected with the body of another illumination fan. .

5. The illumination fan connectable with at least one illumination fan for a computer of Claim 1, wherein a groove is provided on two sides of the body of the illumination fan, and the body of the illumination fan is connected with the body of another illumination fan by respectively engaging an engaging block with one of the grooves on the sides of the body of the illumination fan and one of the grooves on the sides of the body of another illumination fan.

ILLUMINATION FAN CONNECTABLE WITH AT LEAST ONE ILLUMINATION FAN FOR A COMPUTER

FIELD OF THE INVENTION

The present invention relates to an illumination fan connectable with at least one illumination fan for a computer that is structurally simple and particularly suited to desktop users.

BACKGROUND OF THE INVENTION

In recent years, computing devices are making progress by leaps and bounds, and the applications of computing devices can be seen everywhere. Among these, computers have been satisfying the needs of people by providing a myriads of functions, such as executions and calculations. For example, many personal computers have taken the center stages in family lives in offering entertainments, document processing, image displaying, etc.; industrial computers provides services such as management, control and monitoring for factories; and automotive computers provides drivers and passengers with multimedia entertainments and the ability to receive information in real time. On the whole, computers have become an integral part of the human society.

Moreover, more attention has been focused on heat dissipation inside the housings of the computers with increasing demands for higher specifications of the computers. Therefore, fans are usually provided during assembly to dispel heat accumulated inside a housing to the outside. However, each fan has to be connected to the power supply through an independent power cable, so the number of fans that can be assembled is limited by the finite number of connections available on the power supply. This in turn limits the efficiency of heat dissipation. Furthermore, the additional wire inside the housing makes cable routing and managing much more cumbersome.

SUMMARY OF THE INVENTION

In view of the above shortcomings and problems, the inventor, through years of continued research and improvements in the field, has finally come up with the present invention that improves the efficiency of heat dissipation inside a computer housing unlike the structures of the prior art.

The main object of the present invention is to provide an illumination fan connectable with at least one illumination fan for a computer that is simple in structure.

In order to achieve the above and other objects, the present invention provides an illumination fan connectable with at least one illumination fan for a computer, which may include a body, provided with a fan in center of the body, an illumination area on at least two sides of the fan at top of the body, a power socket and a first connector on one side of the body, and a second connector on another side of the body, wherein the power socket is electrically connected with the first connector, the second connector, the fan and the illumination area, such that when the power socket on the one side of the body is supplied with power, the fan and the illumination area of the body can be respectively driven into rotation and illumination, and when the first connector of the body is connected with a second connector of a body of another illumination fan, a fan and an illumination area of the body of another illumination fan can be respectively driven into rotation and illumination.

In an implementation, an electrically conductive terminal is provided in the first connector, and an electrically conductive contact surface is provided in the second connector for being electrically connected with the electrically conductive terminal, such that when the first connector of the body of the illumination fan is connected with the second connector of the body of another illumination fan, the fan and the illumination area of the body of another illumination fan can be respectively driven into rotation and illumination.

In an implementation, when the body of the illumination fan is connected with the

body of another illumination fan, the illumination areas of the two bodies form a continuous illumination area.

In an implementation, a groove is provided on one side of the body of the illumination fan, while an engaging block is provided on another side thereof to be engaged into the groove, such that when the groove of the body of the illumination fan is engaged with the engaging block of the body of another illumination fan, the body of the illumination fan is connected with the body of another illumination fan.

In an implementation, a groove is provided on two sides of the body of the illumination fan, and the body of the illumination fan is connected with the body of another illumination fan by respectively engaging an engaging block with one of the grooves on the sides of the body of the illumination fan and one of the grooves on the sides of the body of another illumination fan.

The foregoing features and advantages of the present invention will become more apparent from the following detailed description taken in conjunction with the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a schematic diagram depicting the outer appearance of a body in accordance with an embodiment of the present invention.

FIG. 2 is a schematic diagram depicting two bodies before being assembled in accordance with an embodiment of the present invention.

FIG. 3 is a schematic diagram depicting the outer appearance of a plurality of bodies after being assembled in accordance with an embodiment of the present invention.

FIG. 4 is a schematic diagram depicting two bodies before being assembled in accordance with another embodiment of the present invention.

FIG. 5 is a schematic diagram depicting two bodies after being assembled in

accordance with another embodiment of the present invention.

DETAILED DESCRIPTION OF THE EMBODIMENTS

Referring to FIGs. 1~3, an illumination fan connectable with at least one illumination fan for a computer in accordance with an embodiment of the present invention is provided.

The illumination fan connectable with at least one illumination fan for a computer of the present invention includes a body 1, a fan 2 disposed in the center of the body 1, an illumination area 3 disposed on at least two sides of the fan at the top of the body 1, a power socket 4 and a first connector 5 disposed on one side of the body 1, and a second connector 6 disposed on another side of the body 1. The power socket 4 is electrically connected with the first connector 5, the second connector 6, the fan 2 and the illumination area 3.

As such, once the power socket 4 at a side of the body is supplied with power, the fan 2 of the body 1 can be driven into rotation and the illumination area 3 can be illuminated.

If at least two bodies 1 are joined together to form multiple sets of fans (as shown in FIGs. 2 and 3), the first connector 5 is provided with an electrically conductive terminal 51, and the second connector 6 is provided with an electrically conductive contact face 61 to be electrically connected with the electrically conductive terminal 51, so that when the first connector 5 of a body 1 is connected to the second connector 6 of another body 1, the fan 2 of the another body 1 can be driven into rotation and the illumination area 3 can be illuminated. The illumination areas 3 of the two bodies 1 may form a continuous illumination area 3. Furthermore, a groove 7 is provided at one side of the body 1, while an engaging block 8 is provided on the other side, such that the groove 7 of one body 1 can be mated with the engaging block 8 of the other body 1, allowing the two bodies 1 to be combined together.

With regards to combining two bodies 1, another approach is shown in FIGs. 4 and 5, wherein grooves 7 are provided on two sides of a body 1, and an engaging block 8 is used to simultaneously engage with the grooves 7 on one side of each of two bodies 1, allowing the

two bodies 1 to be combined together.

As a result, once assembled, two fans that could be independently used can be joined together, and power can be supplied by connecting the power socket of one of the bodies with a power supply of a computer to simultaneously drive the fans of the two bodies into rotation and the illumination areas into illumination. This solves the issue of insufficient power cables provided by the power supply and eliminates cumbersome routing due to large number of wires. With the combinational design of the present invention, the efficiency of heat dissipation at any location in a computer can be greatly improved.

The above descriptions provide embodiments of the present invention and the technical means employed. Various changes and modifications can be derived in light of the disclosure or teachings of the present application, and are therefore deemed as equivalents to the concepts of the present invention. The effects resulted from such changes and modifications should be construed as within the technical scope of the present invention to the extent that they do not exceed the substantive spirit covered by the present application and the drawings.

In summary, based on the disclosure above, the present invention provides an illumination fan connectable with at least one illumination fan for a computer that is simple in structure and low in cost, and thus possess practicality and industrial value, and a patent application is hereby filed in accordance with the law.

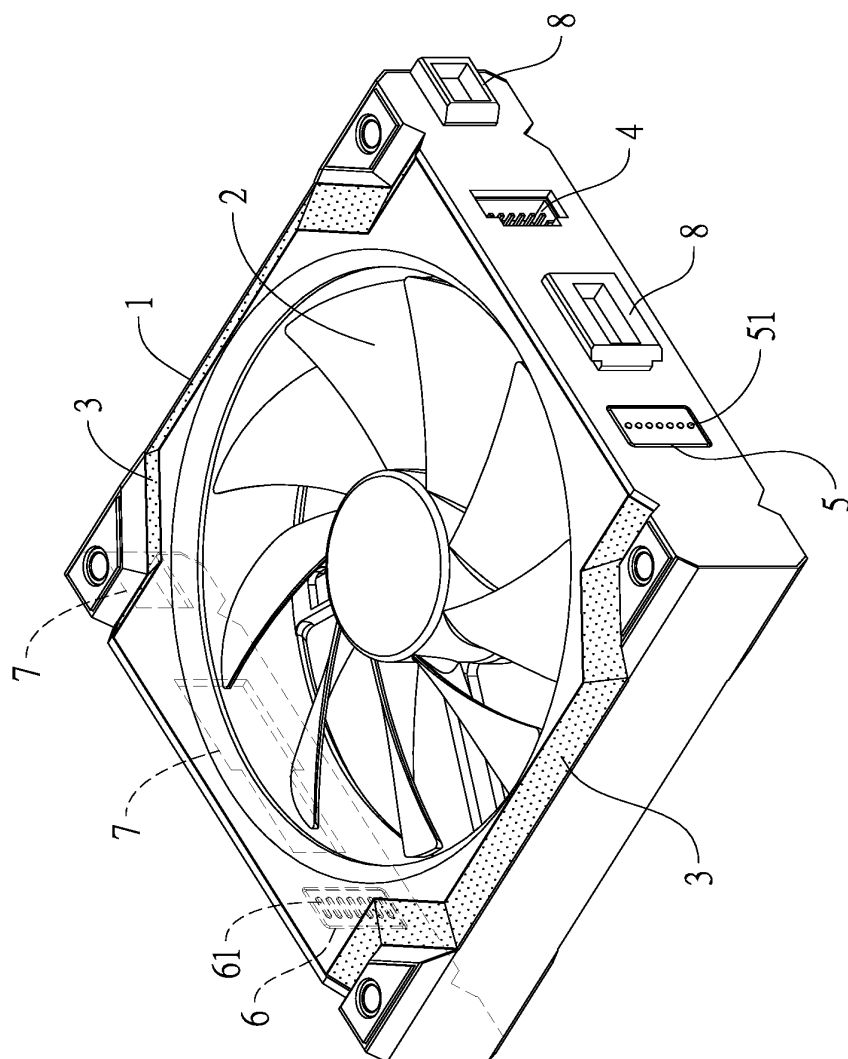


Fig. 1

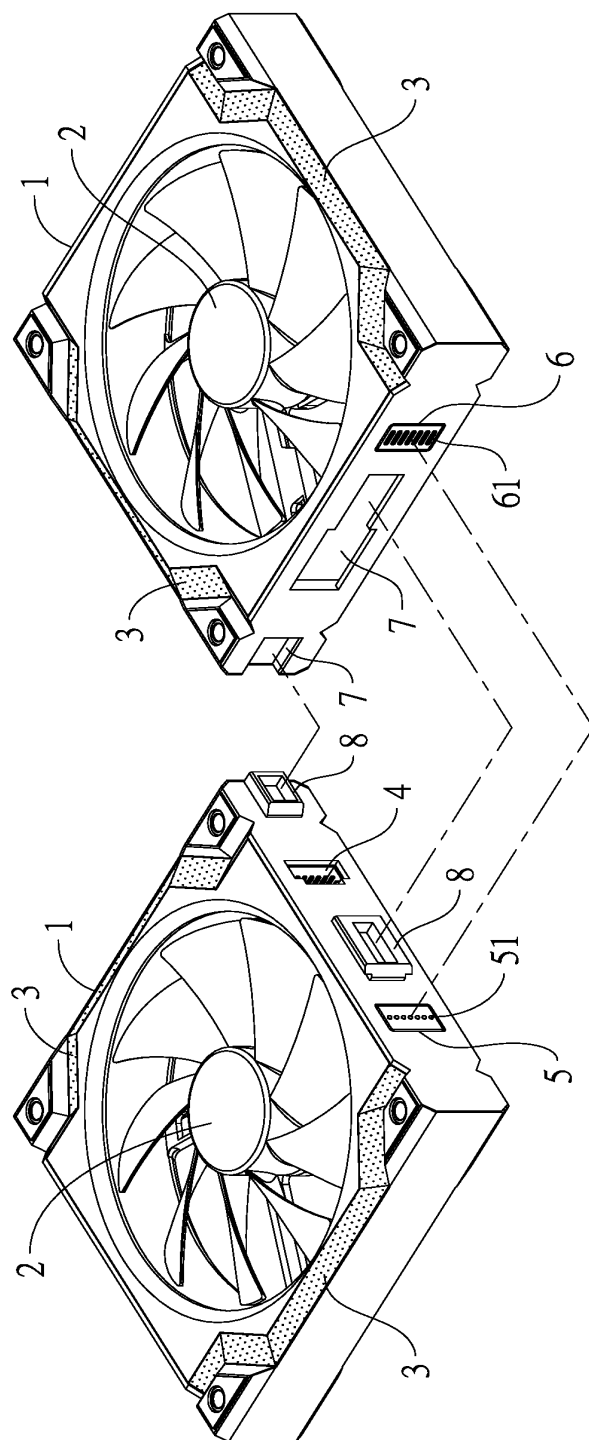


Fig. 2

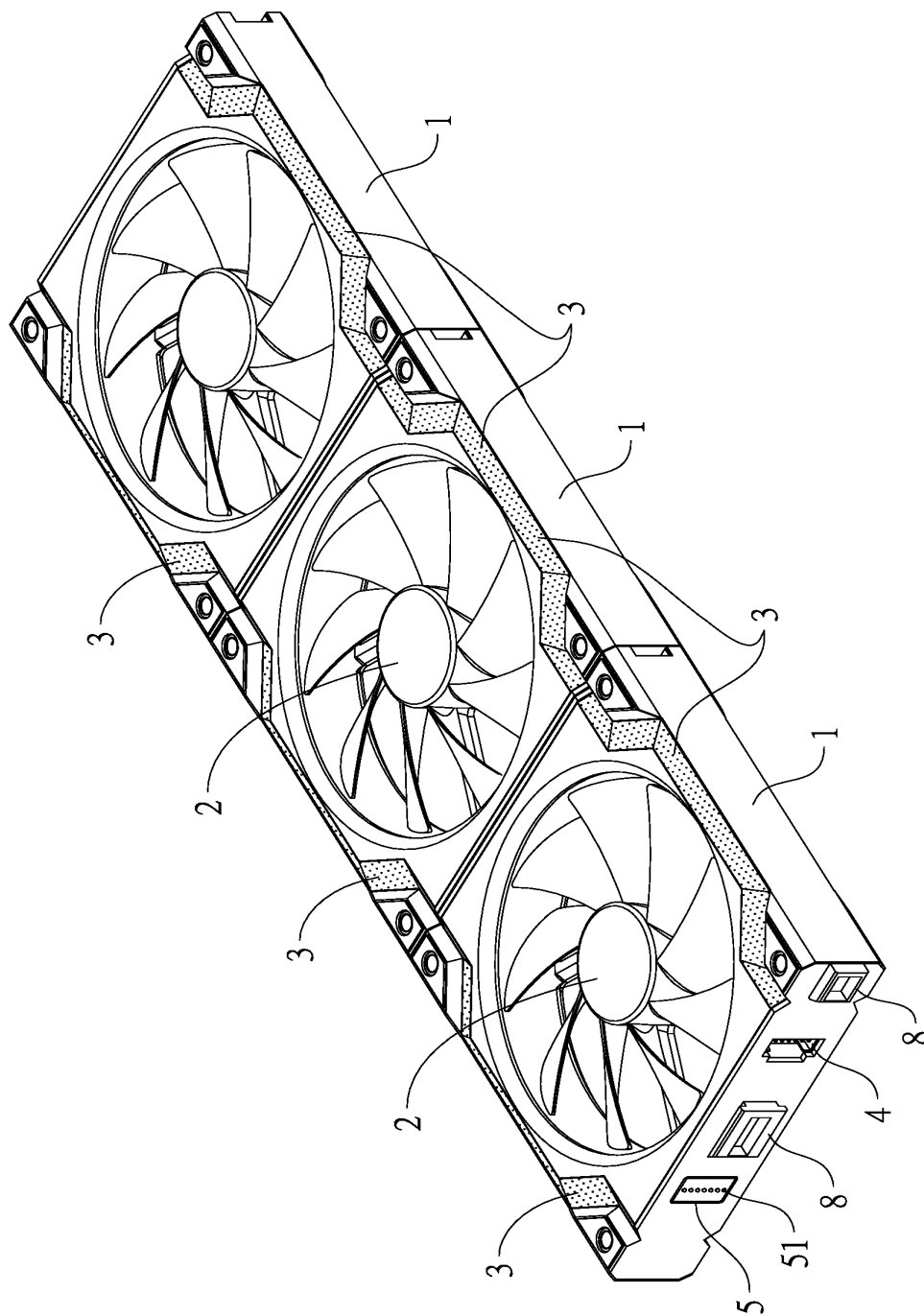


Fig. 3

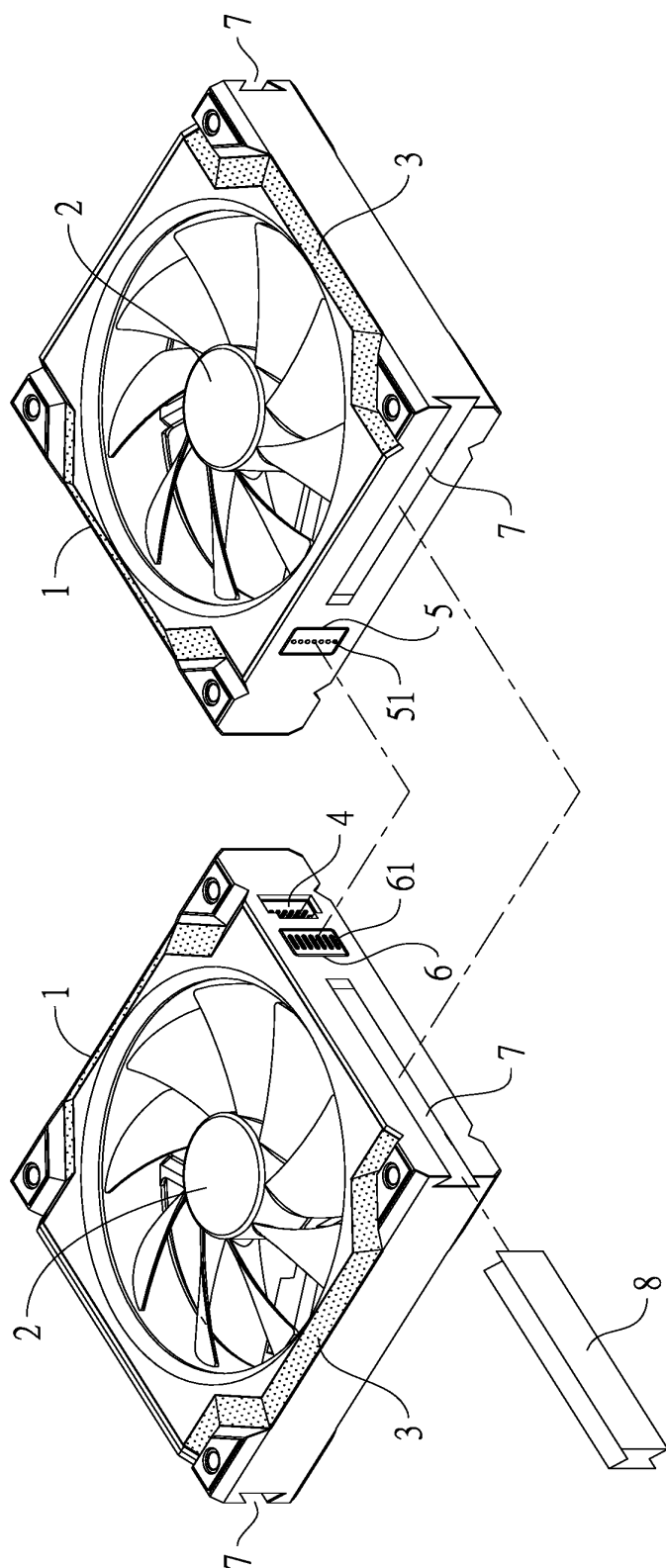


Fig. 4

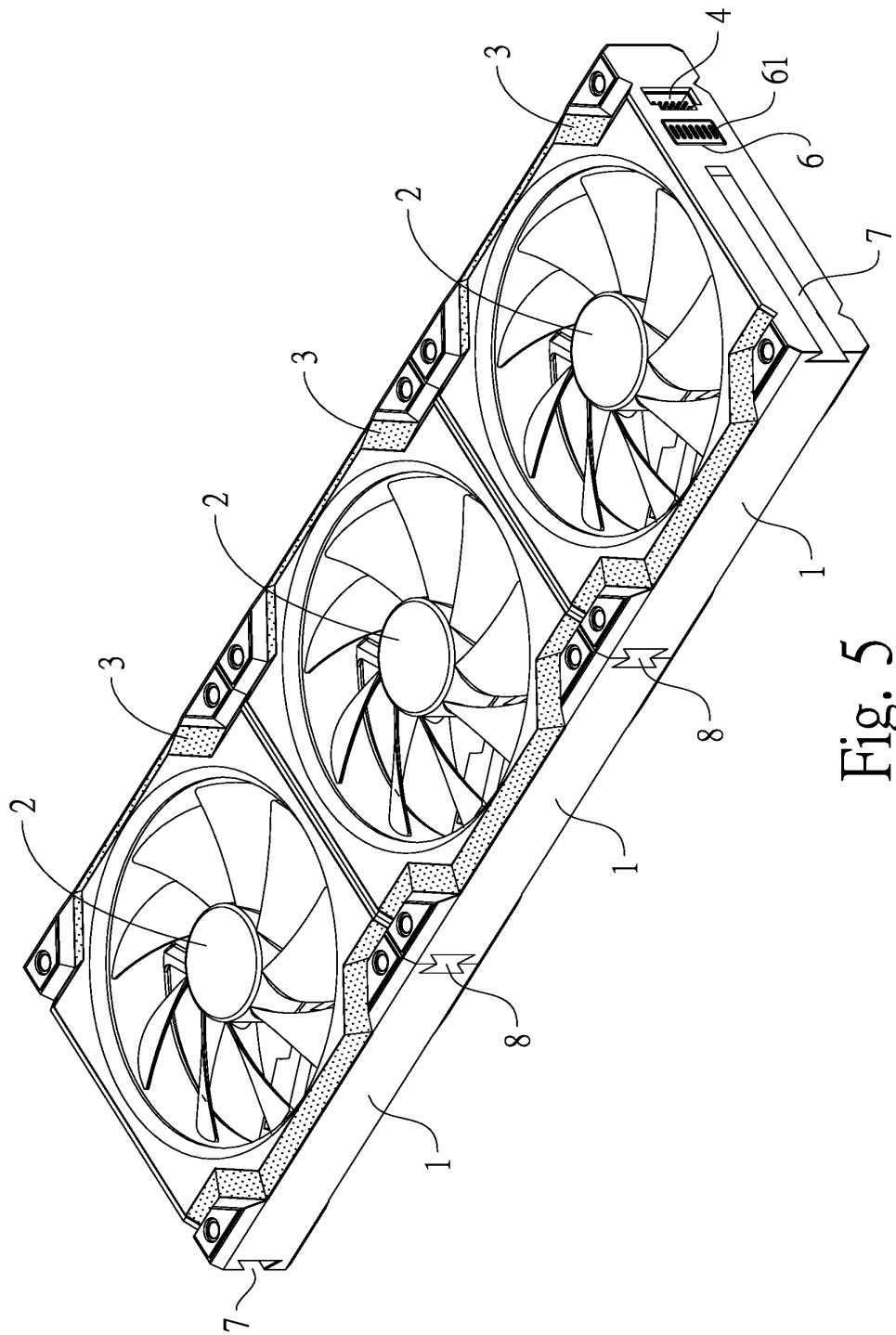


Fig. 5

Electronic Patent Application Fee Transmittal				
Application Number:				
Filing Date:				
Title of Invention:		ILLUMINATION FAN CONNECTABLE WITH AT LEAST ONE ILLUMINATION FAN FOR A COMPUTER		
First Named Inventor/Applicant Name:		Chien-Hao CHEN		
Filer:		Joe McKinney Muncy/Constance Scott		
Attorney Docket Number:		5900/0619PUS1		
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
UTILITY FILING FEE (ELECTRONIC FILING)	4011	1	75	75
UTILITY SEARCH FEE	2111	1	330	330
UTILITY EXAMINATION FEE	2311	1	380	380
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				785

Electronic Acknowledgement Receipt	
EFS ID:	35924659
Application Number:	16403867
International Application Number:	
Confirmation Number:	5828
Title of Invention:	ILLUMINATION FAN CONNECTABLE WITH AT LEAST ONE ILLUMINATION FAN FOR A COMPUTER
First Named Inventor/Applicant Name:	Chien-Hao CHEN
Customer Number:	60601
Filer:	Joe McKinney Muncy/Constance Scott
Filer Authorized By:	Joe McKinney Muncy
Attorney Docket Number:	5900/0619PUS1
Receipt Date:	06-MAY-2019
Filing Date:	
Time Stamp:	13:54:57
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment		no			
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Application Data Sheet	2019-05-06-ADS.pdf	1823045	no	8
			dc44dd13dc1eb1dc491a367f66b6be056563c6c2		
Warnings:					

Information:					
2		2019-05-06-Filingdocs.pdf	809568	yes	3
			b32d701df716059adb51ef51af9dd5a27c b79d7		
	Multipart Description/PDF files in .zip description				
	Document Description	Start	End		
	Oath or Declaration filed	3	3		
	Transmittal of New Application	1	2		
Warnings:					
Information:					
3		2019-05-06-Spec.pdf	589456	yes	8
			ad55ee8617aa7882e2a9e348f81ac696a6d 7e6a6		
	Multipart Description/PDF files in .zip description				
	Document Description	Start	End		
	Abstract	8	8		
	Claims	6	7		
	Specification	1	5		
Warnings:					
Information:					
4	Drawings-only black and white line drawings	2019-05-06-Fig.pdf	130634	no	5
			5813e514f5e2ef1ce4a00ec4752f11a385a1 7d89		
Warnings:					
Information:					
5	Fee Worksheet (SB06)	fee-info.pdf	35136	no	2
			d799475c1a2af106e2b40db88dbdb1743af 901ea		
Warnings:					
Information:					
Total Files Size (in bytes):			3387839		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	5900/0619PUS1
		Application Number	
Title of Invention	ILLUMINATION FAN CONNECTABLE WITH AT LEAST ONE ILLUMINATION FAN FOR A COMPUTER		
The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.			

Secrecy Order 37 CFR 5.2:

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Inventor Information:

Inventor	1				Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Chien-Hao		CHEN		
Residence Information (Select One) US Residency • Non US Residency Active US Military Service					
City	Yilan County		Country of Residenceⁱ	TW	
Mailing Address of Inventor:					
Address 1	No.236, Dapi 2nd Rd., Dongshan Township				
Address 2					
City	Yilan County		State/Province		
Postal Code	269		Countryⁱ	TW	
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.					

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).			
☐ An Address is being provided for the correspondence Information of this application.			
Customer Number	60601		
Email Address	mailroom@mg-ip.com	Add Email	Remove Email

Application Information:

Title of the Invention	ILLUMINATION FAN CONNECTABLE WITH AT LEAST ONE ILLUMINATION FAN FOR A COMPUTER		
Attorney Docket Number	5900/0619PUS1	Small Entity Status Claimed	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	5	Suggested Figure for Publication (if any)	1

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	5900/0619PUS1
		Application Number	
Title of Invention	ILLUMINATION FAN CONNECTABLE WITH AT LEAST ONE ILLUMINATION FAN FOR A COMPUTER		

Filing By Reference:

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	☒ Customer Number	☐ US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)
Customer Number	60601		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

When referring to the current application, please leave the "Application Number" field blank.

Prior Application Status		Remove	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.			

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	5900/0619PUS1
		Application Number	
Title of Invention	ILLUMINATION FAN CONNECTABLE WITH AT LEAST ONE ILLUMINATION FAN FOR A COMPUTER		

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)ⁱ the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Application Number	Country ⁱ	Filing Date (YYYY-MM-DD)	Access Code ⁱ (if applicable)	Remove
107217659	TW	2018-12-26		

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.

NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	5900/0619PUS1
		Application Number	
Title of Invention	ILLUMINATION FAN CONNECTABLE WITH AT LEAST ONE ILLUMINATION FAN FOR A COMPUTER		

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

☐ A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

☐ B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	5900/0619PUS1
		Application Number	
Title of Invention	ILLUMINATION FAN CONNECTABLE WITH AT LEAST ONE ILLUMINATION FAN FOR A COMPUTER		

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.				
Applicant	1			Remove
If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.				
Clear				
Assignee	Legal Representative under 35 U.S.C. 117		Joint Inventor	
Person to whom the inventor is obligated to assign.		Person who shows sufficient proprietary interest		
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:				
Name of the Deceased or Legally Incapacitated Inventor:				
If the Applicant is an Organization check here. ☐				
Prefix	Given Name	Middle Name	Family Name	Suffix
Mailing Address Information For Applicant:				
Address 1				
Address 2				
City		State/Province		
Country		Postal Code		
Phone Number		Fax Number		
Email Address				
Additional Applicant Data may be generated within this form by selecting the Add button. Add				

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	5900/0619PUS1
		Application Number	
Title of Invention	ILLUMINATION FAN CONNECTABLE WITH AT LEAST ONE ILLUMINATION FAN FOR A COMPUTER		

Assignee 1				
Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.				
Remove				
If the Assignee or Non-Applicant Assignee is an Organization check here. ☐				
Prefix	Given Name	Middle Name	Family Name	Suffix
Mailing Address Information For Assignee including Non-Applicant Assignee:				
Address 1				
Address 2				
City		State/Province		
Country i		Postal Code		
Phone Number		Fax Number		
Email Address				
Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button. Add				

Signature:

NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). **However, if this Application Data Sheet is submitted with the INITIAL filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c).**

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See 37 CFR 1.4(d) for the manner of making signatures and certifications.

Signature	/Joe McKinney Muncy/		Date (YYYY-MM-DD)	2019-05-06	
First Name	Joe McKinney	Last Name	Muncy	Registration Number	32334
Additional Signature may be generated within this form by selecting the Add button. Add					

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	5900/0619PUS1
		Application Number	
Title of Invention	ILLUMINATION FAN CONNECTABLE WITH AT LEAST ONE ILLUMINATION FAN FOR A COMPUTER		

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	ILLUMINATION FAN CONNECTABLE WITH AT LEAST ONE ILLUMINATION FAN FOR A COMPUTER
As the below named inventor, I hereby declare that: This declaration is directed to: ☒ The attached application, or ☐ United States application 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 inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. WARNING: Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available. LEGAL NAME OF INVENTOR Chien-Hao CHEN Inventor: _____ Date (Optional): _____ Signature:  Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional PTO/AIA/01 form for each additional inventor.	

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.