

processor, upon calculating the required illumination parameters according to best practice standards, directs the controller to adjust the directional light sources that illuminates the specific sub-areas to meet the illumination requirements of the visual activities.

9. (Original) The illuminating device of claim 8, adjustable by an installer based on room geometry and/or usage further comprising the light fixture having adjustable arms on which directional light sources are mounted for aiming the directional light sources within the illuminated area, where said detector and processor combination provides feedback to the installer so as to aim the light sources such that the illumination requirements can be met by the re-adjusted light source aimings. 5 10

10. (Original) The illumination device of claim 8, wherein the controller receives real time information from the camera and wherein the processor, using image recognition capability, directs the controller to adjust at least one of (i) the intensity, (ii) the spectral light distribution and, (iii) the direction of the light sources based on at least one of (i) where people requiring illumination are located, (ii) what object the person is viewing and (iii) what visual task the person needs to perform. 15

11. (Original) The illumination device of claim 8, further comprising at least one of the directional light sources mounted on the movable structure where the movement of the light source direction is automatically controlled by the controller. 20

12. (Original) The illumination device of claim 11, providing a different illumination to a sub-area based on usage wherein the controller interpreting images from the camera adjusts the moveable light sources such that they provide the required illumination in a sub-area proximate to the individuals as they move around in the illuminated area. 25

13. (Original) The illumination device of claim 8, wherein the illuminated area is a road and the objects include road signs. 30

14. (Original) The illumination device of claim 8, further comprising at least one of the directional light sources on an automatic swivel joint and providing spot lights of limited beam angle for task lighting while other light source provide general illumination to the illuminated area.

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15. (Original) The illumination device of claim 8, further comprising a controller with communication capability to other devices, where the camera in one location obtains information and the controller process the information and communicates the camera obtained information to a second device.

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16. (Original) The illumination device of claim 15, where the illuminated area is a road and the second device to where the camera obtained information is communicated to is a lighting fixture.

17. (Original) The illumination device of claim 16, where the processor uses information obtained from the cameras and exchanged between fixtures for identifying traffic requirements in the illuminated area and from the vehicles locations and geometry determining the illumination requirements of the illumination area thereby directing the controller to adjust the directional light sources to meet the illumination requirements.

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18. (Original) The illumination device of claim 17, wherein the controller is programmed to adjust at least one of (i) increase illumination with an approach of a vehicle, and (ii) change beam cut-off levels as the vehicle advances toward the lighting fixture to eliminate glare.

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19. (Currently Amended) An automated irradiating device for providing a desired radiation to individuals within an area, ~~intended to provide a desired radiation in a sub-area proximate to the individuals, comprising: an irradiation fixture including one or more directional radiation sources~~ at least two substantially directional heat radiation sources where the radiation is in a defined direction pointing in different directions; at

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least one detector for sensing a location of individuals in the area and ~~feeding~~
transferring that information to a controller; ~~wherein~~ said controller for adjusting,
adjusts at least one of ~~(i)~~ a radiation intensity ~~and~~ ~~(ii)~~ a direction of the irradiation
based on sensed location; the automated irradiating device further comprising one
detector being a camera with a capability for transferring data to the processor
arranged with image recognition algorithms for sensing any of the information
selected from the list comprised of: a presence, an identity, a location, a position, an
activity, and a body temperature of an individual; the controller having processing
capability for using the information and determining the heating requirements of the
individuals from at least one of (i) algorithms to calculate radiation parameters, (ii)
stored data of heating practices, and (iii) the identified individual's stored personal
preferences; whereby the desired radiation is provided proximate to individuals in the
area.

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20. (Cancelled)

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21. (Original) The automated irradiating device of claim 19, further comprising: one
or more directional radiation sources capable of being moved so as to direct radiation
in a defined direction; the at least one detector capable of providing information on
the present location of individuals in the area; the controller programmed to process
the detector information and move the radiating sources so as to follow the one or
more individuals, whereby the desired radiation is provided in a sub-area substantially
proximate to the individuals.

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22. (Currently Amended) The irradiation device of claim ~~20~~21, further comprising;
the detector being a camera capable of providing images of different parts of the body
of individuals to the controller for image processing; the radiation sources being able
to direct radiation to different parts of the body; and the controller further
programmed to run the image recognition algorithms to identify different parts of the
body, to compute the desired radiation level to the different parts of the body and to
adjust the radiation from sources directed at the different parts of the body.

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23. (Currently Amended) The irradiation device of claim ~~20~~21, further comprising the controller programmed to control the irradiation in time and intensity on the individual to maintain comfortable heating based on at least one of (i) best practices, (ii) feedback from the heat detector configured to detect body temperature of different parts of a body, (iii) personal preferences input to the controller and stored in memory and (iv) commands input from an input device. 5

24. (Currently Amended) The irradiation device of claim ~~20~~21 where the irradiation instead of for heat is for therapeutic purposes and the radiation may be any of (i) UV radiation, (ii) red light therapy in the 620-660 nm range, and (iii) light therapy for SAD and other disorders selected from the group consisting of seasonal affective disorder, sleep disorders, circadian rhythm disorders, delayed sleep phase syndrome, vitamin D deficiency and skin disorders, where the controller aims the radiation sources to the location where the individual is located and controls the time and intensity of the radiation. 10 15

25. (Cancelled)

Amendments to the Specification:

Please replace paragraph [0052] with the following amended paragraph:

[0052] The overall objective of these exemplary embodiments is the disclosure of an exigency based lighting fixture that provides correct or user preferred illuminance in terms of chromaticity, ~~homogeneity~~homogeneity, aesthetic considerations over a general area and/or task lighting provided in a small area for the visual tasks at hand. Providing illumination only where, how and when it is needed to efficiently carry out visual tasks minimizes wasted light thus minimizing energy use for lighting. To achieve this efficiency goal there is a need for a lighting fixture having provision for 1) the differentiation over space and time of its light intensity and color 2) that can be set-up in the field and/or 3) adjusted in real-time to changing lighting requirements.

[0274] An irradiation device embodiment of this FAML invention can use the computer vision and aim-ability function to provide infrared heating to individuals in indoor and outdoor settings. The heat radiation sources can be infrared filament lamps or infrared LEDs in addition to other wavelengths. The irradiating devices 472 mounted on the irradiation fixture can provide general area heating or spot heating 482 to people or objects. Computer recognition of individuals is used to irradiate them as they move about the living space. Using face recognition algorithms and stored personal preferences from the data storage, the logical controller 454 will aim the heating rays specifically where on their body they prefer to be heated as well as in what amount and at what times. The camera 475 has sensors sensitive to infra-red wavelengths around 12 .mu.m (micrometers) radiated from people. The controller obtaining the information from the body temperature sensor will run algorithms to calculate radiation parameters and will control the irradiation in time and intensity on the individual to maintain comfortable heating per best practice standards, drawing on stored data of heating practices, or personally input preferences. People may be sensitive to radiation heating on certain parts of the body. For example heating on the head area causes some people discomfort, The camera and controller processor system can use image recognition to identify parts of the body and the controller can provide a different radiation level to the head vs. the rest of the body. Other people feel the cold in the legs etc. In addition the controller can obtain information on other environmental parameters such as the temperature, humidity etc which affect the heating regimen. Thus the camera sensor 475 is an energy saving sensor replacing the room heating thermostat used to maintain the entire room at a high ambient temperature with a more accurate and localized actual measure of the individual's temperature. The radiating fixture 470 will then provide localized heating on an as needed basis to maintain ~~comfort~~comfort. The FAML logical controller 454 runs the algorithms and provides spot heating only when necessary and in the right amount. Just as moveable head stage lighting follows the performer about the stage the camera/controller vision system follows the person around the room or outdoors and keeps them warm with an infra-red lamp 482. It is to be understood that the irradiating source can be supplying UV radiation, visible light, or any other radiation for therapeutic, pleasure or manufacturing purposes such as UV, EB or heat curing adhesives etc.

REMARKS

Favorable reconsideration of this application, in light of the remarks and following amendments, is respectfully requested.

In reply to point 1 Claim Objections:

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1) *Claim 19 is objected to because of the following informalities: In line 6, "a" should be deleted. Appropriate correction is required.*

→ Claim 19 has been currently amended by deleting "a" and marked-up in the full list of claims. The examiner requested corrections have been made in the new listing of claims set forth above per 37 CFR 1.121.

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In reply to point 2 & 3 Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of pre-AIA 35 U.S.C. 102 that form the basis...

1. Claims 19 and 25 are rejected under pre-AIA 35 U.S.C. 102(e) as being anticipated by Mueller et al. (US 2004/0052076 of record). With respect to claim 19, Mueller discloses in figures 9 and 39 an automated irradiating device for providing radiation to individuals within an area

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The applicant has now currently amended claim 19 by merging claim 20 into claim 19 and deleted claim 20. The applicant then made claim 21 dependent on 19 and claims 22,23,24 dependent on claim 21. Claim 20 has been cancelled

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In reply to point 4

With respect to claim 25, Mueller discloses

Without further arguing the novelty, the applicant has temporarily cancelled Claim 25 from the claim set.

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In reply to point 5***Allowable Subject Matter***

Claims 1-18 are allowed. Claims 20-24 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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The applicant has cancelled claim 20 and amended claims 21-24

Conclusion

The applicant has revised the objected claim and requests that the above claims now be amended as in the new list of claims. The applicant submits that the claims are now in proper form to place the case in condition for allowance which action he respectfully solicits.

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Record of the substance of the interview Per 37 CFR 1.133

The applicant asked and was granted an interview with the examiner on the 12th of November 2017. The substance of the interview related to an allowance offered by the examiner and the applicant had some questions. “5. *Claims 20-24 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten* A list of questions and background material with claim versions to illustrate the possible alternatives was emailed to the examiner prior to the interview.

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The applicant had the questions reading the language of examiners request; for example: if there was any reason for each claim, other than the revised broad claim 19 which was to be limited by including claim 20 within, to be an independent claim.

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“Actually Claim 21 is dependent on new claim 19 “further comprising” as shown in version 1. Or should it be made an Independent Claim and an extra fee paid for additional independent claims? Same for Claims 22, 23 and 24 – Should I make very long independent claims each time or put them in as sub-claim.

The examiner said that once the claim 19 was amended to include the restrictions of claim 20 the claims 21-24 could in theory be dependent claims but would only actually approve them once the reply to the final action was received.

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The applicant also asked the examiner:

I also noticed a spelling error in the specification paragraph: [0274] *An irradiation device embodiment ... The radiating fixture 470 will them provide localized heating on an as needed basis to maintain comport.* The last word should be comfort. At what next stage will I be able to make such corrections?

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The examiner said that spelling corrections to were best made in the present amendment.

Conditional Request for Constructive Assistance

Should the examiner still prefer to have these or any or any other claims amended to more clearly highlight the uniqueness of the present invention, the pro se applicant requests under M.P.E.P. § 2173.02 and §707.07(j) that the examiner should draft one or more claims for the applicant and indicate in his or her action that such claims would be allowed if incorporated in the application by amendment. This request is in order that the undersigned can place this application in allowable condition as soon as possible and without the need for further proceedings.

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Very respectfully,
/ Yechezkal Evan Spero/
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Monday, Nov 13, 2017

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Electronic Acknowledgement Receipt

EFS ID:	30938349
Application Number:	13357549
International Application Number:	
Confirmation Number:	1905
Title of Invention:	Detector Controlled Illuminating System
First Named Inventor/Applicant Name:	Yechezkal Evan Spero
Customer Number:	37268
Filer:	Yechezkal Evan Spero
Filer Authorized By:	
Attorney Docket Number:	
Receipt Date:	13-NOV-2017
Filing Date:	24-JAN-2012
Time Stamp:	21:16:36
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	Applicant Arguments/Remarks Made in an Amendment	Reply_to_Final_OA_Aug-11-17.pdf	150736 397079c5552041f384b1b97efcee64a9b2226e7e	no	12

Warnings:

Information:	
Total Files Size (in bytes):	150736
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.	

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 13/357,549	Filing Date 01/24/2012	☐ To be Mailed
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ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO

APPLICATION AS FILED – PART I

FOR	NUMBER FILED (Column 1)	NUMBER EXTRA (Column 2)	RATE (\$)	FEE (\$)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X \$ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X \$ =	
☐ 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).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT	(Column 1)	(Column 2)	(Column 3)	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
	11/13/2017	CLAIMS REMAINING AFTER AMENDMENT					
	Total (37 CFR 1.16(i))	* 23	Minus	** 26	= 0	X \$40 =	0
	Independent (37 CFR 1.16(h))	* 4	Minus	***4	= 0	X \$210 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
TOTAL ADD'L FEE						0	

AMENDMENT	(Column 1)	(Column 2)	(Column 3)	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
		CLAIMS REMAINING AFTER AMENDMENT					
	Total (37 CFR 1.16(i))	*	Minus	**	=	X \$ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X \$ =	
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
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 number found in the appropriate box in column 1.

LIE
CAROL BARNES

This collection of information is required by 37 CFR 1.16. 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 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.**

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



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/357,549	01/24/2012	Yechezkal Evan Spero		1905

37268 7590 11/16/2017
YECHZKAL EVAN SPERO
74 MOSHAV TIFRACH
M. P. HANEDEV, 85102
ISRAEL

EXAMINER

LE, TUNG X

ART UNIT	PAPER NUMBER
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2844

MAIL DATE	DELIVERY MODE
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11/16/2017

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.



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NOTICE OF ALLOWANCE AND FEE(S) DUE

37268 7590 12/19/2017
YECHESKAL EVAN SPERO
74 MOSHAV TIFRACH
M. P. HANEDEV, 85102
ISRAEL

EXAMINER

LE, TUNG X

ART UNIT

PAPER NUMBER

2844

DATE MAILED: 12/19/2017

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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13/357,549

01/24/2012

Yechezkal Evan Spero

1905

TITLE OF INVENTION: Detector Controlled Illuminating System

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$480	\$0	\$0	\$480	03/19/2018

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), to: **Mail** **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax **(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)

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.

37268 7590 12/19/2017
YECHESKAL EVAN SPERO
74 MOSHAV TIFRACH
M. P. HANEDEV, 85102
ISRAEL

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 facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/357,549	01/24/2012	Yechezkal Evan Spero		1905

TITLE OF INVENTION: Detector Controlled Illuminating System

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$480	\$0	\$0	\$480	03/19/2018

EXAMINER	ART UNIT	CLASS-SUBCLASS
LE, TUNG X	2844	315-307000

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 03-02 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, 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 has been filed for recordation as set forth in 37 CFR 3.11. 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. The following fee(s) are submitted:

- ☐ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

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

- ☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☐ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

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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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/357,549	01/24/2012	Yechezkal Evan Spero		1905

37268 7590 12/19/2017
YECHZKAL EVAN SPERO
74 MOSHAV TIFRACH
M. P. HANEDEV, 85102
ISRAEL

EXAMINER

LE, TUNG X

ART UNIT PAPER NUMBER

2844

DATE MAILED: 12/19/2017

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 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, 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. 13/357,549	Applicant(s) SPERO, YECHEZKAL EVAN	
	Examiner TUNG X. LE	Art Unit 2844	AIA (First Inventor to File) Status No

-- 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 11/13/2017.
☐ 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 1-19 and 21-24. 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 _____. | |

/TUNG X. LE/
Primary Examiner, Art Unit 2844
December 7, 2017

The present application is being examined under the pre-AIA first to invent provisions.

DETAILED ACTION

This Office Action is in response to the Applicant's amendment submitted on November 13, 2017. In virtue of this amendment:

- Claims 20 and 25 are cancelled; and thus,
- Claims 1-19 and 21-24 are now pending in the instant application.

Allowable Subject Matter

1. Claims 1-19 and 21-24 are allowed.
2. The following is an examiner's statement of reasons for allowance:

Prior art of record fails to disclose or fairly suggest the following limitations:

- An automated irradiating device for providing a desired radiation to individuals within an area, comprising ... *"the automated irradiating device further comprising one detector being a camera with a capability for transferring data to the processor arranged with image recognition algorithms for sensing any of the information selected from the list comprised of; a presence, an identity, a location, a position, an activity, and a body temperature of an individual; the controller having processing capability for using the information and determining the heating requirements of the individuals from at least one of (i) algorithms to calculate radiation parameters, (ii) stored data of heating practices, and (iii) the identified individual's stored personal preferences"* ..., in combination with the

remaining claimed limitations as claimed in independent claim 19 (claims 21-24 are allowed as being dependent on claim 19).

- Reasons for indicating the allowable subject matter of claims 1-18 were provided in the previous office action.

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."

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Prior art Champagne et al. – US 2012/0262575

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to TUNG X. LE whose telephone number is (571)272-6010. The examiner can normally be reached on 8:30 AM - 5:30 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, Douglas Owens can be reached on 571-272-1662. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2844

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 <http://pair-direct.uspto.gov>. 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.

/TUNG X. LE/

Primary Examiner, Art Unit 2844

December 7, 2017

Notice of References Cited	Application/Control No. 13/357,549	Applicant(s)/Patent Under Reexamination SPERO, YECHEZKAL EVAN	
	Examiner TUNG X. LE	Art Unit 2844	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-2012/0262575 A1	10-2012	Champagne; Jean-Philippe	G08B13/19613	348/143
	B	US-				
	C	US-				
	D	US-				
	E	US-				
	F	US-				
	G	US-				
	H	US-				
	I	US-				
	J	US-				
	K	US-				
	L	US-				
	M	US-				

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.

Search Notes 	Application/Control No. 13357549	Applicant(s)/Patent Under Reexamination SPERO, YECHEZKAL EVAN
	Examiner TUNG X. LE	Art Unit 2844

CPC- SEARCHED		
Symbol	Date	Examiner
H05B: 33/08, 37/02	08/12/2016	TXL
B60Q1/04	08/12/2016	TXL
updated above	12/07/2017	TXL

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
315	77, 152, 307, 312	08/12/2016	TXL
updated	above	12/07/2017	TXL

* 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
EAST (see search history printout)	08/12/2016	TXL
CPC and USPC Searches	08/12/2016	TXL
EAST (see search history printout)	04/25/2017	TXL
EAST (see search history printout)	12/07/2017	TXL
Inventor and Assignee Searches	12/07/2017	TXL

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
H05B	37/0227	12/07/2017	TXL

/DAVID LOTTER/ Examiner.Art Unit 2844	
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INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
315	307	12/07/2017	TXL

/DAVID LOTTER/ Examiner.Art Unit 2844	
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Issue Classification 	Application/Control No. 13357549	Applicant(s)/Patent Under Reexamination SPERO, YECHEZKAL EVAN	
	Examiner TUNG X LE	Art Unit 2844	

CPC						
Symbol					Type	Version
H05B		37	/	0227	F	2013-01-01
B60Q		1	/	04	I	2013-01-01
B60Q		1	/	085	I	2013-01-01
B60Q		1	/	1423	I	2013-01-01
B60Q		2300	/	054	A	2013-01-01
B60Q		2300	/	112	A	2013-01-01
B60Q		2300	/	116	A	2013-01-01
B60Q		2300	/	122	A	2013-01-01
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F21S		48	/	10	A	2013-01-01
F21V		19	/	02	I	2013-01-01
F21V		21	/	02	A	2013-01-01
F21V		21	/	30	A	2013-01-01
F21V		23	/	0471	I	2013-01-01
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F21W		2131	/	103	A	2013-01-01
F21W		2131	/	40	A	2013-01-01
F21Y		2113	/	00	A	2013-01-01
H05B		33	/	0812	I	2013-01-01
H05B		33	/	0857	I	2013-01-01

NONE		Total Claims Allowed:	
		23	
(Assistant Examiner)	(Date)		
/TUNG X LE/ Primary Examiner.Art Unit 2844	12/07/2017	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

Issue Classification 	Application/Control No. 13357549	Applicant(s)/Patent Under Reexamination SPERO, YECHEZKAL EVAN	
	Examiner TUNG X LE	Art Unit 2844	

H05B	33	0863	I	2013-01-01
H05B	37	02	I	2013-01-01
F21V	23	0464	I	2013-01-01
F21V	23	0478	I	2013-01-01
Y02B	20	383	A	2013-01-01
Y02B	20	343	A	2013-01-01
F21V	29	74	A	2015-01-15
H05B	3	008	I	2013-01-01
H05B	37	0218	I	2013-01-01
F21S	48	1154	I	2013-01-01
F21S	48	1159	I	2013-01-01
F21S	48	1736	I	2013-01-01
F21S	4	28	I	2016-01-01
F21K	9	23	I	2016-08-01
F21K	9	232	I	2016-08-01
F21Y	2115	10	A	2016-08-01
Y02B	20	46	A	2013-01-01

CPC Combination Sets				
Symbol	Type	Set	Ranking	Version

NONE		Total Claims Allowed: 23	
(Assistant Examiner)	(Date)		
/TUNG X LE/ Primary Examiner.Art Unit 2844	12/07/2017	O.G. Print Claim(s) 1	O.G. Print Figure 1
(Primary Examiner)	(Date)		

Issue Classification 	Application/Control No. 13357549	Applicant(s)/Patent Under Reexamination SPERO, YECHEZKAL EVAN
	Examiner TUNG X LE	Art Unit 2844

☐ Claims renumbered in the same order as presented by applicant															
☐ CPA															
☐ T.D.															
☐ R.1.47															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	17	17												
2	2	18	18												
3	3	19	19												
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14	14														
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16	16														

NONE	Total Claims Allowed: 23	
(Assistant Examiner)	(Date)	
/TUNG X LE/ Primary Examiner.Art Unit 2844	12/07/2017	O.G. Print Claim(s) 1
(Primary Examiner)	(Date)	O.G. Print Figure 1



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BIB DATA SHEET

CONFIRMATION NO. 1905

SERIAL NUMBER 13/357,549	FILING or 371(c) DATE 01/24/2012 RULE	CLASS 315	GROUP ART UNIT 2844	ATTORNEY DOCKET NO.	
APPLICANTS INVENTORS Yechezkal Evan Spero, Moshav Tifrach, ISRAEL; ** CONTINUING DATA ***** This application is a CIP of 10/604,360 07/14/2003 PAT 8100552 and claims benefit of 61/535,981 09/17/2011 ** FOREIGN APPLICATIONS ***** ** IF REQUIRED, FOREIGN FILING LICENSE GRANTED *** SMALL ENTITY ** 02/03/2012					
Foreign Priority claimed ☐ Yes ☒ No 35 USC 119(a-d) conditions met ☐ Yes ☒ No Verified and Acknowledged <u>/TUNG X LE/</u> Examiner's Signature	☐ Met after Allowance TXL Initials	STATE OR COUNTRY ISRAEL	SHEETS DRAWINGS 24	TOTAL CLAIMS 23	INDEPENDENT CLAIMS 4
ADDRESS YECHEZKAL EVAN SPERO 74 MOSHAV TIFRACH M. P. HANEDEV, 85102 ISRAEL TXL 12/07/2017					
TITLE Detector Controlled Illuminating System					
FILING FEE RECEIVED 1055	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
S46	107916	(H05B37/02\$2 or H05B33/08\$2 or B60Q1/04).CPC.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/07 11:32
S47	14171	315/77,152,307,312.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/07 11:32
S48	1024	(light\$3 near2 (system or network or fixture)) and ((motion near2 sensor) with (object or people or user)) and (area or location or environment) and (\$5processor or \$5controller) and (adjust\$3 with (intensity or brightness or spectral or spectrum))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/07 11:33
S49	14	(yechezkal near2 evan near2 spero).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/07 11:34
S50	115677	S46 or S47 or S48	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/07 11:37
S52	3297	S50 and ((sens\$3 or detect\$3) with (motion or object or people or person) with (area or (sub adj1 area) or zone or location))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/07 11:38
S53	756	S52 and (adjust\$4 near2 (intensity or spectr\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/07 11:39
S54	2	(fixture and (light near2 source) and	US-PGPUB;	OR	ON	2017/12/07

		controller and (adjust\$4 with (intensity and spectrum)) and (detector with object with surface with area) and processor).clm.	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			11:45
S55	2425	(light\$3 near2 fixture) and (\$5processor or \$5controller) and (adjust\$3 near2 (intensity or brightness or spectral or spectrum))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/07 11:52
S56	1654	S55 and (adjust\$4 near2 (intensity or spectr\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/07 11:52
S57	346	S56 and ((sens\$3 or detect\$3) with (motion or object or people or person) with (area or (sub adj1 area) or zone or location))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/07 11:52
S58	114	("20010014019" "5561346" "5577832" "5749646" "5921660" "6149283" "6227679" "6340868" "6379022" "6483439" "6498440" "6499860" "6820998").PN. OR ("8100552").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2017/12/07 12:10
S59	13	("20090237011" "20120139417" "20120206050" "20120262575" "5031082" "6542270" "7439847" "8100552" "8139113" "8143811" "8339274" "8571411" "8791649").PN. OR ("9060393").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2017/12/07 12:21

12/ 7/ 2017 5:55:58 PM
C:\ Users\ tle16\ Documents\ EAST\ Workspaces\ 13357549.wsp

In the United States Patent and Trademark Office**Application/CN:** 13/357,549

November 13, 2017

Application Filed: 24 January 2012**Applicant:** Spero, Yechezkal Evan

5

Title: Detector Controlled Illuminating System**Examiner:** Le Tung X**Art Unit:** 2844**Reply to Non-Final Office Action dated Aug 13, 17**

10

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

Dear Sir:

The application is being prosecuted by
 the Applicant pro se.

Certificate of Transmission Under 37 C.F.R. § 1.8

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Signature
 /Yechezkal Evan Spero/

 Yechezkal Evan Spero

AMENDMENT UNDER 37 C.F.R. §1.111

In response to the Office Action mailed Aug. 11, 17, the following amendments and
 remarks are respectfully submitted in connection with the above-identified application.

15

Amendments to the Claims begin on page 2 of this Amendment.**Amendments to the Specification** begin on page 9 of this Amendment.**Remarks** begin on page 10 of this Amendment.**Record the substance of the Examiner interview** begins on page 11 of this Amendment.

20

	Claims remaining after Amendment		Highest number previously paid for		Present extra
Total	25	-	25	=	0
Independent	4	-	4	=	0



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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
13/357,549	01/24/2012	2844	1055		26	4

37268
YECHESKAL EVAN SPERO
74 MOSHAV TIFRACH
M. P. HANEDEV, 85102
ISRAEL

CONFIRMATION NO. 1905
CORRECTED FILING RECEIPT



Date Mailed: 12/22/2017

Receipt is acknowledged of this non-provisional 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 APPLICANT, 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 Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections 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**

Inventor(s)

Yechezkal Evan Spero, Moshav Tifrach, ISRAEL;

Applicant(s)

Yechezkal Evan Spero, Moshav Tifrach, ISRAEL;

Assignment For Published Patent Application

Yechezkal Evan Spero, Moshav Tifrach, ISRAEL

Power of Attorney: None

Domestic Priority data as claimed by applicant

This appln claims benefit of 61/535,981 09/17/2011
and is a CIP of 10/604,360 07/14/2003 PAT 8100552
which claims benefit of 60/395,308 07/12/2002

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: No

Permission to Access Search Results: No

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: 02/03/2012

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 13/357,549**

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

Detector Controlled Illuminating System

Preliminary Class

315

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

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

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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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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 U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (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)

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.

37268 7590 12/19/2017
YEHEZKAL EVAN SPERO
74 MOSHAV TIFRACH
M. P. HANEDEV, 85102
ISRAEL

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 facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

Yechezkal Evan Spero	(Depositor's name)
/Yechezkal Evan Spero/	(Signature)
March 18, 2018	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/357,549	01/24/2012	Yechezkal Evan Spero		1905

TITLE OF INVENTION: Detector Controlled Illuminating System

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$480	\$0	\$0	\$480	03/19/2018

EXAMINER	ART UNIT	CLASS-SUBCLASS
LE, TUNG X	2844	315-307000

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 03-02 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 has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Yechezkal Evan Spero

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

2 0 R a s h i S t .
 Tifrach, 85102 Israel

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

4a. The following fee(s) are submitted:

- ☒ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

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

- ☐ A check is enclosed.
- ☒ Payment by credit card. Form PTO-2038 is attached.
- ☐ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

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 /Yechezkal Evan Spero/

Date March 18, 2018

Typed or printed name Yechezkal Evan Spero

Registration No. 37268

Electronic Patent Application Fee Transmittal

Application Number:	13357549			
Filing Date:	24-Jan-2012			
Title of Invention:	Detector Controlled Illuminating System			
First Named Inventor/Applicant Name:	Yechezkal Evan Spero			
Filer:	Yechezkal Evan Spero			
Attorney Docket Number:				
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	480	480

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				480

Electronic Acknowledgement Receipt

EFS ID:	32083961
Application Number:	13357549
International Application Number:	
Confirmation Number:	1905
Title of Invention:	Detector Controlled Illuminating System
First Named Inventor/Applicant Name:	Yechezkal Evan Spero
Customer Number:	37268
Filer:	Yechezkal Evan Spero
Filer Authorized By:	
Attorney Docket Number:	
Receipt Date:	18-MAR-2018
Filing Date:	24-JAN-2012
Time Stamp:	19:12:07
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$480
RAM confirmation Number	031918INTEFSW19183300
Deposit Account	
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

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)	Part-B_Issue_Fees_CIP.pdf	280946	no	1
			654b2aa14cce0420c1ed423b9bbec833016 bbd5e		
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	29991	no	2
			f5e65f93d6e40988662e64048529eecbd32 b3f35		
Warnings:					
Information:					
Total Files Size (in bytes):			310937		
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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United States Patent and Trademark Office
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www.uspto.gov

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/357,549	04/24/2018	9955551		1905

37268 7590 04/04/2018
YECHZKAL EVAN SPERO
74 MOSHAV TIFRACH
M. P. HANEGEV, 85102
ISRAEL

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 911 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):

Yechezkal Evan Spero, Moshav Tifrach, ISRAEL;

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CHANGE OF CORRESPONDENCE ADDRESS *Patent*

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Commissioner for Patents
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Alexandria, VA 22313-1450

Patent Number	9,955,551
Issue Date	2018-04-24
Application Number	13/357,549
Filing Date	2012-01-24
First Named Inventor	Yechezkal Evan Spero
Attorney Docket Number	TRCH0102RX

Please change the Correspondence Address for the above-identified patent to:



The address associated with Customer Number:

22045

OR



**Firm or
Individual Name**

Address

City

State

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This form will not affect any "fee address" provided for the above-identified patent. To change a "fee address" use the "Fee Address Indication Form" (PTO/SB/47).

I am the:



Patentee.



Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).



Attorney or agent of record. Registration Number _____.

Signature

/Yechezkal Evan Spero/

Typed or
Printed Name

Yechezkal Evan Spero

Date

July 20, 2021

Telephone +972544407280

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.



*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 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: Mail Stop Post Issue, 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.

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.

Electronic Acknowledgement Receipt	
EFS ID:	43330699
Application Number:	13357549
International Application Number:	
Confirmation Number:	1905
Title of Invention:	Detector Controlled Illuminating System
First Named Inventor/Applicant Name:	Yechezkal Evan Spero
Customer Number:	37268
Filer:	Sangeeta G Shah/Fiona Archer
Filer Authorized By:	Sangeeta G Shah
Attorney Docket Number:	
Receipt Date:	23-JUL-2021
Filing Date:	24-JAN-2012
Time Stamp:	14:11:16
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	Change of Address	TRCH0102RX_Change_of_correspondence.pdf	68502	no	2
			94fd7d9047a9d3b42c26edbd19f1d3a368ab4dda		
Warnings:					

Information:	
Total Files Size (in bytes):	68502
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.	



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE	REQUEST ID
13/357,549	01/24/2012	Yechezkal Evan Spero		150510

Acknowledgement of Loss of Entitlement to Entity Status Discount

The entity status change request below filed through Private PAIR on 10/20/2021 has been accepted.

CERTIFICATIONS:

Change of Entity Status:

✕ Applicant changing to regular undiscounted fee status.

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

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:	/John E. Nemazi/
Name:	John Nemazi
Registration Number:	30876

AO 120 (Rev. 08/10)

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been
 filed in the U.S. District Court _____ for the District of Delaware _____ on the following

☐ Trademarks or ☒ Patents. (☐ the patent action involves 35 U.S.C. § 292.);

DOCKET NO.	DATE FILED 6/7/2022	U.S. DISTRICT COURT for the District of Delaware
PLAINTIFF Torchlight Technologies LLC		DEFENDANT Daimler AG, et al
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 9,955,551	4/24/2018	Yechezkal Evan Spero
2 10,894,503	1/19/2021	Yechezkal Evan Spero
3 11,208,029	12/28/2021	Yechezkal Evan Spero
4		
5		

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1		
2		
3		
4		
5		

In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE
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Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
 Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

AO 120 (Rev. 08/10)

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been
 filed in the U.S. District Court for the District of Delaware on the following

☐ Trademarks or ☒ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT for the District of Delaware
PLAINTIFF Torchlight Technologies LLC		DEFENDANT General Motors LLC, General Motors Holdings LLC, and General Motors Company
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 9,955,551	4/24/2018	Yechezkal Evan Spero
2 10,894,503	1/19/2021	Yechezkal Evan Spero
3 11,208,029	12/28/2021	Yechezkal Evan Spero
4		
5		

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1		
2		
3		
4		
5		

In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE
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Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
 Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

Mercedes 1002, Part 3 of 3
 U.S. Patent No. 9,955,551



ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
13/357,549

RECEIPT DATE / TIME
04/14/2023 07:44:43 AM ET

ATTORNEY DOCKET #
TRCH0102PUSP1

Title of Invention

Detector Controlled Illuminating System

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
 under 35 USC 111(a)

PATENT # 9955551

CONFIRMATION # 1905

FILED BY Fiona Archer

PATENT CENTER # 61920771

FILING DATE 01/24/2012

CUSTOMER # 22045

FIRST NAMED
INVENTOR Yechezkal Evan Spero

CORRESPONDENCE
ADDRESS -

AUTHORIZED BY Bernard Tomsa

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
Disclaimer_SB0043_TRCH01 02PUSP1.PDF	2	Claims	374 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
Disclaimer_SB0043_TRCH0102 PUSP1.PDF	BB092377C911D727EAA78631DBB08EB345E2F2A0806127718E BC1A077AA182A412756D2913B2E365009E8B2BCDCD0ED4DA EF84E84F05F59F44294CEC550E8B28

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 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 displays a valid OMB control number.

DISCLAIMER IN PATENT UNDER 37 CFR 1.321(a)	
Name of Patentee YECHEZKAL EVAN SPERO	Docket Number (Optional) TRCH0102PUSP1
Patent Number 9,955,551	Date Patent Issued April 24, 2018
Title of Invention DETECTOR CONTROLLED ILLUMINATING SYSTEM	
I hereby disclaim the following complete claims in the above identified patent: <u>1, 2, 3, and 4</u>	
The extent of my interest in said patent is (if assignee of record, state liber and page, or reel and frame, where assignment is recorded): <u>PATENT OWNER</u>	
The fee for this disclaimer is set forth in 37 CFR 1.20(d).	
☐ Patentee claims small entity status. See 37 CFR 1.27. ☐ Small entity status has already been established in this case, and is still proper. ☐ A check in the amount of the fee is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached. ☒ The Director is hereby authorized to charge any fees which may be required or credit any overpayment to Deposit Account No. <u>02-3978</u> .	
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.	
Signed at <u>Tifrah</u> , State of <u>ISRAEL</u> , this <u>10th</u> day of <u>April</u> , 20 <u>23</u> .	
 Signature YECHEZKAL EVAN SPERO Typed or printed name of patentee/ attorney or agent of record 20 RASHI ST. Registration Number, if applicable +972544407280 Telephone Number	
MOSHAV TIFRACH, ISRAEL 85102 Address City, State, Zip Code or Foreign Country as applicable	

This collection of information is required by 37 CFR 1.321. 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.**

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

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.



ELECTRONIC PAYMENT RECEIPT

APPLICATION #
13/357,549

RECEIPT DATE / TIME
04/14/2023 07:44:43 AM ET

ATTORNEY DOCKET #
TRCH0102PUSP1

Title of Invention

Detector Controlled Illuminating System

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # 9955551

CONFIRMATION # 1905

FILED BY Fiona Archer

PATENT CENTER # 61920771

AUTHORIZED BY Bernard Tomsa

CUSTOMER # 22045

FILING DATE 01/24/2012

CORRESPONDENCE
ADDRESS -

FIRST NAMED
INVENTOR Yechezkal Evan Spero

Payment Information

PAYMENT METHOD
DA / 023978

PAYMENT TRANSACTION ID
E20234D845595829

PAYMENT AUTHORIZED BY
Fiona Archer

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
1814	STATUTORY DISCLAIMER, INCLUDING TERMINAL DISCLAIMER	170.00	1	170.00
TOTAL AMOUNT:				\$170.00

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.

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Disclaimer

9,955,551 B2 - Yechezkal Evan Spero, Moshav Tifrach (IL). DETECTOR CONTROLLED ILLUMINATING SYSTEM. Patent dated April 24, 2018. Disclaimer filed April 14, 2023, by the inventor.

I hereby disclaim the following complete claims 1, 2, 3 and 4, of said patent.

(Official Gazette, May 23, 2023)